

CZML-Contents

This page describes the possible content of a CZML document or stream. Please read [\[\[CZML Structure\]\]](#) for an explanation of how a CZML document is put together.

NOTE: This is a work in progress and reflects our plans NOT our current capabilities.

id

The ID of the object described by this packet. IDs do not need to be GUIDs, but they do need to uniquely identify a single object within a CZML source and any other CZML sources loaded into the same scope. If this property is not specified, the client will automatically generate a unique one. However, this prevents later packets from referring to this object in order to, for example, add more data to it.

Property Name: `id`

Interpolatable: no

name

The name of the object. It does not have to be unique and is intended for user consumption.

Property Name: `name`

Interpolatable: no

parent

The ID of the parent object or folder.

Property Name: `parent`

Interpolatable: no

description

An HTML description of the object.

Property Name: `description`

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
<code>string</code>	Interval	string	The string value.
<code>reference</code>	Interval	string	A reference property.

availability

When data for an object is available. If data for an object is known to be available at the current animation time, but the client does not yet have that data (presumably because it will arrive in a later packet), the client will pause with a message like "Buffering..." while it waits to receive the data. The property can be a single string specifying a single interval, or an array of strings representing intervals. A later Cesium packet can update this availability if it changes or is found to be incorrect. For example, an SGP4 propagator may report availability for all time, but then later the propagator throws an exception and the availability needs to be adjusted. If this optional property is not present, the object is assumed to be available for all time. Availability is scoped to a particular CZML stream, so two different streams can list different availability for a single object. Within a single stream, the last availability stated for an object is the one in effect and any availabilities in previous packets are ignored. If an object is available at a time, the client expects the object to have at least one property, and it expects all properties that it needs to be defined at that time. If the object doesn't have any properties, or a needed property is defined but not at the animation time, the client will pause animation and wait for more data.

Property Name: `availability`

Interpolatable: no

position

The position of the object in the world. The position has no direct visual representation, but it is used to locate billboards, labels, and other primitives attached to the object.

Property Name: `position`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>referenceFrame</code>	Interval	string	The reference frame in which cartesian positions are specified. Possible values are "FIXED" and "INERTIAL". In addition, the value of this property can be a hash (#) symbol followed by the ID of another object in the same scope whose "position" and "orientation" properties define the reference frame in which this position is defined. This property is ignored when specifying position with any type other than cartesian. If this property is not specified, the default reference frame is "FIXED".

cartesian	Interval	array	The position represented as a Cartesian <code>[X, Y, Z]</code> in the meters relative to the <code>referenceFrame</code> . If the array has three elements, the position is constant. If it has four or more elements, they are time-tagged samples arranged as <code>[Time, X, Y, Z, Time, X, Y, Z, Time, X, Y, Z, ...]</code> , where Time is an ISO 8601 date and time string or seconds since epoch.
cartographicRadians	Interval	array	The position represented as a WGS 84 Cartographic <code>[Longitude, Latitude, Height]</code> where longitude and latitude are in radians and height is in meters. If the array has three elements, the position is constant. If it has four or more elements, they are time-tagged samples arranged as <code>[Time, Longitude, Latitude, Height, Time, Longitude, Latitude, Height, ...]</code> , where Time is an ISO 8601 date and time string or seconds since epoch.
cartographicDegrees	Interval	array	The position represented as a WGS 84 Cartographic <code>[Longitude, Latitude, Height]</code> where longitude and latitude are in degrees and height is in meters. If the array has three elements, the position is constant. If it has four or more elements, they are time-tagged samples arranged as <code>[Time, Longitude, Latitude, Height, Time, Longitude, Latitude, Height, ...]</code> , where Time is an ISO 8601 date and time string or seconds since epoch.
			The position and velocity represented as two Cartesians <code>[X, Y, Z, vX, vY, vZ]</code> in the meters relative to the <code>referenceFrame</code> . If the array has six elements, the position is constant. If it

<code>cartesianVelocity</code>	Interval	array	has seven or more elements, they are time-tagged samples arranged as <code>[Time, X, Y, Z, vX, vY, vZ, Time, X, Y, Z, vX, vY, vZ, Time, X, Y, Z, vX, vY, vZ, ...]</code> , where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

Examples:

```
javascript { "id": "MyObject", "position": { "cartographicDegrees": [-75.0, 40.0, 0.0] } }
```

```
javascript { "id": "InternationalSpaceStation", "position": { "referenceFrame": "INERTIAL", "epoch": "2012-05-02T12:00:00Z", "cartesian": [ 0.0, -6668447.2211117, 1201886.45913705, 146789.427467256, 60.0, -6711432.84684144, 919677.673492462, -214047.552431458, 90.0, -6721319.92231553, 776899.784034099, -394198.837519575, 150.0, -6717826.447064, 488820.628328182, -752924.980158179, 180.0, -6704450.41462847, 343851.784836767, -931084.800346031, 240.0, -6654518.44949696, 52891.726433174, -1283967.69137678 ], "nextTime": 300.0, "interpolationAlgorithm": "LAGRANGE", "interpolationDegree": 5 } }
```

billboard

A billboard, or viewport-aligned image. The billboard is positioned in the scene by the position property. A billboard is sometimes called a marker.

Property Name: billboard

Interpolatable: no

billboard.color

The color of the billboard. This color value is multiplied with the values of the billboard's "image" to produce the final color.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

billboard.eyeOffset

The eye offset of the billboard, which is the offset in eye coordinates at which to place the billboard relative to the `position` property. Eye coordinates are a left-handed coordinate system where the X-axis points toward the viewer's right, the Y-axis points up, and the Z-axis points into the screen.

Property Name: `eyeOffset`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>cartesian</code>	Interval	array	The eye offset specified as a Cartesian <code>[X, Y, Z]</code> position in eye coordinates in meters. If the array has three elements, the eye offset is constant. If it has four or more elements, they are time-tagged samples arranged as <code>[Time, X, Y, Z, Time, X, Y, Z, Time, X, Y, Z, ...]</code> , where <i>Time</i> is an ISO 8601 date and time string or seconds since <code>epoch</code> .
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

billboard.horizontalOrigin

The horizontal origin of the billboard. It controls whether the billboard image is left-, center-, or right-aligned with the `position`.

Property Name: `horizontalOrigin`

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
<code>horizontalOrigin</code>	Interval	string	The horizontal origin. Valid values are "LEFT", "CENTER", and "RIGHT".
<code>reference</code>	Interval	string	A reference property.

billboard.image

The image displayed on the billboard, expressed as a URL. For broadest client compatibility, the URL should be accessible via Cross-Origin Resource Sharing (CORS). The URL may also be a [data URI](#).

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

billboard.pixelOffset

The offset, in viewport pixels, of the billboard origin from the position. A pixel offset is the number of pixels up and to the right to place the billboard, relative to the position.

Property Name: pixelOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>cartesian2</code>	Interval	array	The pixel offset specified as a Cartesian <code>[X, Y]</code> in viewport coordinates in pixels, where X is pixels to the right and Y is pixels up. If the array has two elements, the pixel offset is constant. If it has three or more elements, they are time-tagged samples arranged as <code>[Time, X, Y, Time, X, Y, Time, X, Y, ...]</code> , where <i>Time</i> is an ISO 8601 date and time string or seconds since <code>epoch</code> .
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

billboard.scale

The scale of the billboard. The scale is multiplied with the pixel size of the billboard's `image`. For example, if the scale is 2.0, the billboard will be rendered with twice the number of pixels, in each direction, of the `image`.

Property Name: `scale`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

billboard.rotation

The rotation of the billboard offset from the alignedAxes.

Property Name: rotation

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

billboard.alignedAxis

The aligned axis is the unit vector, in world coordinates, that the billboard up vector points towards. The default is the zero vector, which means the billboard is aligned to the screen up vector.

Property Name: alignedAxis

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian	Interval	array	The axis specified as a unit Cartesian [X, Y, Z] in world coordinates in meters. If the array has three elements, the eye offset is constant. If it has four or more elements, they are time-tagged samples arranged as [Time, X, Y, Z, Time, X, Y, Z, Time, X, Y, Z, ...], where <i>Time</i> is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

billboard.show

Whether or not the billboard is shown.

Property Name: show

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

billboard.verticalOrigin

The vertical origin of the billboard. It controls whether the billboard image is bottom-, center-, or top-aligned with the position.

Property Name: verticalOrigin

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
verticalOrigin	Interval	string	The vertical origin. Valid values are "BOTTOM", "CENTER", and "TOP".
reference	Interval	string	A reference property.

orientation

The orientation of the object in the world. The orientation has no direct visual representation, but it is used to orient models, cones, and pyramids attached to the object.

Property Name: orientation

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
axes	Interval	string	TODO
unitQuaternion	Interval	array	TODO
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

point

A point, or viewport-aligned circle. The point is positioned in the scene by the position property.

Property Name: point

Interpolatable: no

point.color

The color of the point.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

point.outlineColor

The color of the outline of the point.

Property Name: `outlineColor`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

point.outlineWidth

The width of the outline of the point.

Property Name: `outlineWidth`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

point.pixelSize

The size of the point, in pixels.

Property Name: pixelSize

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

point.show

Whether or not the point is shown.

Property Name: show

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

label

A string of text. The label is positioned in the scene by the position property.

Property Name: label

Interpolatable: no

label.eyeOffset

The eye offset of the label, which is the offset in eye coordinates at which to place the label relative to the position property. Eye coordinates are a left-handed coordinate system where the X-axis points toward the viewer's right, the Y-axis points up, and the Z-axis points into the screen.

Property Name: eyeOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian	Interval	array	The eye offset specified as a Cartesian [X, Y, Z] position in eye coordinates in meters. If the array has three elements, the eye offset is constant. If it has four or more elements, they are time-tagged samples arranged as [Time, X, Y, Z, Time, X, Y, Z, Time, X, Y, Z, ...], where <i>Time</i> is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

label.fillColor

The fill color of the label.

Property Name: fillColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

label.font

The font to use for the label.

Property Name: font

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
font	Interval	string	The font.
reference	Interval	string	A reference property.

label.horizontalOrigin

The horizontal origin of the label. It controls whether the label is left-, center-, or right-aligned with the position.

Property Name: horizontalOrigin

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
horizontalOrigin	Interval	string	The horizontal origin. Valid values are "LEFT", "CENTER", and "RIGHT".
reference	Interval	string	A reference property.

label.outlineColor

The outline color of the label.

Property Name: outlineColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

label.outlineWidth

The outline width of the label.

Property Name: `outlineWidth`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

label.pixelOffset

The offset, in viewport pixels, of the label origin from the `position`. A pixel offset is the number of pixels up and to the right to place the label, relative to the `position`.

Property Name: `pixelOffset`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>cartesian2</code>	Interval	array	The pixel offset specified as a Cartesian <code>[X, Y]</code> in viewport coordinates in pixels, where X is pixels to the right and Y is pixels up. If the array has two elements, the pixel offset is constant. If it has three or more elements, they are time-tagged samples arranged as <code>[Time, X, Y, Time, X, Y, Time, X, Y, ...]</code> , where <i>Time</i> is an ISO 8601 date and time string or seconds since <code>epoch</code> .
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

label.scale

The scale of the label. The scale is multiplied with the pixel size of the label's text. For example, if the scale is 2.0, the label will be rendered with twice the number of pixels, in each direction, of the text.

Property Name: `scale`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

label.show

Whether or not the label is shown.

Property Name: show

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

label.style

The style of the label.

Property Name: style

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
labelStyle	Interval	string	The label style. Valid values are "FILL", "OUTLINE", and "FILL_AND_OUTLINE".
reference	Interval	string	A reference property.

label.text

The text displayed by the label.

Property Name: text

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
string	Interval	string	The string value.
reference	Interval	string	A reference property.

label.verticalOrigin

The vertical origin of the label. It controls whether the label image is bottom-, center-, or top-aligned with the position.

Property Name: verticalOrigin

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
verticalOrigin	Interval	string	The vertical origin. Valid values are "BOTTOM", "CENTER", and "TOP".
reference	Interval	string	A reference property.

polyline

A polyline, which is a line in the scene composed of multiple segments.

Property Name: polyline

Interpolatable: no

polyline.positions

The array of positions defining the polyline as a line strip.

Property Name: positions

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
referenceFrame	Interval	string	The reference frame in which cartesian positions are specified. Possible values are "FIXED" and "INERTIAL". In addition, the value of this property can be a hash (#) symbol followed by the ID of another object in the same scope whose "position" and "orientation" properties define the reference frame in which this position is defined. This property is ignored when specifying position with any type other than cartesian. If this property is not specified, the default reference frame is "FIXED".
cartesian	Interval	array	The list of positions represented as Cartesian [X, Y, Z, X, Y, Z, ...] in the meters relative to the referenceFrame.
cartographicRadians	Interval	array	The list of positions represented as WGS 84 [Longitude, Latitude, Height, Longitude, Latitude, Height, ...] where longitude and latitude are in radians and height is in meters.
cartographicDegrees	Interval	array	The list of positions represented as WGS 84 [Longitude, Latitude, Height, Longitude, Latitude, Height, ...] where longitude and latitude are in degrees and height is in meters.
references	Interval	array	The list of positions specified as references. Each reference is to a property that defines a single position, possible as it changes with time.

polyline.show

Whether or not the polyline is shown.

Property Name: show

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

polyline.material

The material to use to draw the polyline.

Property Name: material

Interpolatable: no

polyline.material.solidColor

Colors the line with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

polyline.material.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polyline.material.polylineOutline

Colors the line with a color and outline.

Property Name: `polylineOutline`

Interpolatable: no

polyline.material.polylineOutline.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polyline.material.polylineOutline.outlineColor

The color of the surface outline.

Property Name: outlineColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polyline.material.polylineOutline.outlineWidth

The width of the outline.

Property Name: `outlineWidth`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>number</code>	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polyline.material.polylineGlow

Colors the line with a glowing color.

Property Name: `polylineGlow`

Interpolatable: no

polyline.material.polylineGlow.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polyline.material.polylineGlow.glowPower

The strength of the glow.

Property Name: glowPower

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polyline.width

The width of the polyline.

Property Name: width

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polyline.followSurface

Whether or not the positions are connected as great arcs (the default) or as straight lines.

Property Name: followSurface

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

path

A path, which is a polyline defined by the motion of an object over time. The possible vertices of the path are specified by the position property.

Property Name: path

Interpolatable: no

path.show

Whether or not the path is shown.

Property Name: show

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

path.material

The material to use to draw the path.

Property Name: material

Interpolatable: no

path.material.solidColor

Colors the line with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

path.material.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

path.material.polylineOutline

Colors the line with a color and outline.

Property Name: `polylineOutline`

Interpolatable: no

path.material.polylineOutline.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

path.material.polylineOutline.outlineColor

The color of the surface outline.

Property Name: outlineColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

path.material.polylineOutline.outlineWidth

The width of the outline.

Property Name: `outlineWidth`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>number</code>	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

path.material.polylineGlow

Colors the line with a glowing color.

Property Name: `polylineGlow`

Interpolatable: no

path.material.polylineGlow.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

path.material.polylineGlow.glowPower

The strength of the glow.

Property Name: glowPower

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

path.width

The width of the path line.

Property Name: width

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

path.resolution

The maximum step-size, in seconds, used to sample the path. If the `position` property has data points farther apart than resolution specifies, additional steps will be taken, creating a smoother path.

Property Name: `resolution`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

path.leadTime

The time ahead of the animation time, in seconds, to show the path.

Property Name: leadTime

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

path.trailTime

The time behind the animation time, in seconds, to show the path.

Property Name: trailTime

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon

A polygon, which is a closed figure on the surface of the Earth.

Property Name: polygon

Interpolatable: no

polygon.positions

The array of positions defining a simple polygon.

Property Name: positions

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
referenceFrame	Interval	string	The reference frame in which cartesian positions are specified. Possible values are "FIXED" and "INERTIAL". In addition, the value of this property can be a hash (#) symbol followed by the ID of another object in the same scope whose "position" and "orientation" properties define the reference frame in which this position is defined. This property is ignored when specifying position with any type other than cartesian. If this property is not specified, the default reference frame is "FIXED".
cartesian	Interval	array	The list of positions represented as Cartesian [X, Y, Z, X, Y, Z, ...] in the meters relative to the referenceFrame.
cartographicRadians	Interval	array	The list of positions represented as WGS 84 [Longitude, Latitude, Height, Longitude, Latitude, Height, ...] where longitude and latitude are in radians and height is in meters.
cartographicDegrees	Interval	array	The list of positions represented as WGS 84 [Longitude, Latitude, Height, Longitude, Latitude, Height, ...] where longitude and latitude are in degrees and height is in meters.
references	Interval	array	The list of positions specified as references. Each reference is to a property that defines a single position, possible as it changes with time.

polygon.show

Whether or not the polygon is shown.

Property Name: show

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

polygon.material

The material to use to fill the polygon.

Property Name: material

Interpolatable: no

polygon.material.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

polygon.material.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.material.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

polygon.material.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

polygon.material.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.material.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

polygon.material.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.material.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.material.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.material.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.material.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>cartesian2</code>	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.material.stripe

Fills the surface with alternating colors.

Property Name: `stripe`

Interpolatable: no

polygon.material.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: `orientation`

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
<code>StripeOrientation</code>	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
<code>reference</code>	Interval	string	A reference property.

polygon.material.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.material.stripe.oddColor

The odd color.

Property Name: oddCo`lor`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.material.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.material.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.height

The height of the polygon when perPositionHeight is false.

Property Name: height

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.extrudedHeight

The extruded height of the polygon.

Property Name: extrudedHeight

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.granularity

The sampling distance, in radians.

Property Name: granularity

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.stRotation

The rotation of any applied texture.

Property Name: stRotation

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.fill

Whether or not the polygon is filled.

Property Name: fill

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

polygon.outline

Whether or not the polygon is outlined.

Property Name: outline

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

polygon.outlineColor

The color of the polygon outline.

Property Name: outlineColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

polygon.perPositionHeight

Whether to use the height of each position to define the polygon or a constant height above the surface.

Property Name: `perPositionHeight`

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

ellipsoid

An ellipsoid, which is a closed quadric surface that is a three dimensional analogue of an ellipse. The ellipsoid is positioned and oriented using the `position` and `orientation` properties.

Property Name: `ellipsoid`

Interpolatable: no

ellipsoid.show

Whether or not the ellipsoid is shown.

Property Name: `show`

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

ellipsoid.radii

The dimensions of the ellipsoid.

Property Name: `radii`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian	Interval	array	The radii as a Cartesian <code>[X, Y, Z]</code> in meters. If the array has three elements, the radii are constant. If it has four or more elements, they are time-tagged samples arranged as <code>[Time, X, Y, Z, Time, X, Y, Z, Time, X, Y, Z, ...]</code> , where <i>Time</i> is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.fill

Whether or not the ellipsoid is filled.

Property Name: fill

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

ellipsoid.material

The material to display on the surface of the ellipsoid.

Property Name: material

Interpolatable: no

ellipsoid.material.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

ellipsoid.material.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.material.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

ellipsoid.material.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

ellipsoid.material.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.material.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

ellipsoid.material.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.material.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.material.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.material.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.material.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>cartesian2</code>	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.material.stripe

Fills the surface with alternating colors.

Property Name: `stripe`

Interpolatable: no

ellipsoid.material.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: `orientation`

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
<code>StripeOrientation</code>	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
<code>reference</code>	Interval	string	A reference property.

ellipsoid.material.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.material.stripe.oddColor

The odd color.

Property Name: oddCo`lor`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.material.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.material.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.outline

Whether or not the ellipsoid is outlined.

Property Name: outline

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

ellipsoid.outlineColor

The color of the ellipsoid outline.

Property Name: `outlineColor`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.stackPartitions

The number of times to partition the ellipsoid into stacks.

Property Name: stackPartitions

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.slicePartitions

The number of times to partition the ellipsoid into radial slices.

Property Name: slicePartitions

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipsoid.subdivisions

The number of points per outline line, determining the granularity of the curvature.

Property Name: subdivisions

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

viewFrom

A suggested camera location when viewing this object. The property is specified as a Cartesian position in the East (x), North (y), Up (z) reference frame relative to the objects position property.

Property Name: viewFrom

Interpolatable: no

model

A 3D model. The model is positioned and oriented using the position and orientation properties.

Property Name: model

Interpolatable: no

model.show

Whether or not the model is shown.

Property Name: show

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

model.scale

The scale of the model.

Property Name: scale

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

model.minimumPixelSize

The approximate minimum pixel size of the model regardless of zoom.

Property Name: minimumPixelSize

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

model.gltf

The URL of a [glTF](#) model.

Property Name: gltf

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

ellipse

An ellipse, which is a closed curve on the surface of the Earth. The ellipse is positioned using the `position` property.

Property Name: `ellipse`

Interpolatable: no

ellipse.show

Whether or not the ellipse is shown.

Property Name: `show`

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
<code>boolean</code>	Interval	boolean	The boolean value.

ellipse.semiMajorAxis

The length of the ellipse's semi-major axis in meters.

Property Name: `semiMajorAxis`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.semiMinorAxis

The length of the ellipse's semi-minor axis in meters.

Property Name: semiMinorAxis

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.rotation

The angle from north (counter-clockwise) in radians.

Property Name: rotation

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.material

The material to use to fill the ellipse.

Property Name: material

Interpolatable: no

ellipse.material.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

ellipse.material.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.material.image

Fills the surface with an image.

Property Name: image

Interpolatable: no

ellipse.material.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

ellipse.material.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.material.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

ellipse.material.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.material.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.material.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.material.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.material.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.material.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

ellipse.material.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

ellipse.material.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.material.stripe.oddColor

The odd color.

Property Name: oddCo`lor`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.material.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.material.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.height

The height of the ellipse when perPositionHeight is false.

Property Name: height

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.extrudedHeight

The extruded height of the ellipse.

Property Name: extrudedHeight

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.granularity

The sampling distance, in radians.

Property Name: granularity

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.stRotation

The rotation of any applied texture coordinates.

Property Name: stRotation

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.fill

Whether or not the ellipse is filled.

Property Name: fill

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

ellipse.outline

Whether or not the ellipse is outlined.

Property Name: outline

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

ellipse.outlineColor

The color of the ellipse outline.

Property Name: outlineColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

ellipse.numberOfVerticalLines

The number of vertical lines to use when outlining an extruded ellipse.

Property Name: `numberOfVerticalLines`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

clock

The clock settings for the entire data set. Only valid on the document object.

Property Name: clock

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
currentTime	Interval	string	The current time.
multiplier	Interval	number	The multiplier, which in TICK_DEPENDENT mode is the number of seconds to advance each tick. In SYSTEM_CLOCK_DEPENDENT mode, it is the multiplier applied to the amount of time elapsed between ticks. This value is ignored in SYSTEM_CLOCK mode.
range	Interval	string	The behavior of a clock when its current time reaches its start or end points. Valid values are 'UNBOUNDED', 'CLAMPED', and 'LOOP_STOP'.
step	Interval	string	Defines how a clock steps in time. Valid values are 'SYSTEM_CLOCK', 'SYSTEM_CLOCK_MULTIPLIER', and 'TICK_DEPENDENT'.

version

The CZML version being written. Only valid on the document object.

Property Name: version

Interpolatable: no

agi_conicSensor

A conical sensor volume taking into account occlusion of an ellipsoid, i.e., the globe.

Note: This type is an extension and may not be implemented by all CZML clients.

Property Name: agi_conicSensor

Interpolatable: no

agi_conicSensor.show

Whether or not the cone is shown.

Property Name: show

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_conicSensor.innerHalfAngle

The inner half angle of the cone.

Property Name: innerHalfAngle

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.outerHalfAngle

The outer half angle of the cone.

Property Name: outerHalfAngle

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.minimumClockAngle

The minimum clock angle limit of the cone.

Property Name: minimumClockAngle

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.maximumClockAngle

The maximum clock angle limit of the cone.

Property Name: maximumClockAngle

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.radius

The radial limit of the cone.

Property Name: radius

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.showIntersection

Whether or not the intersection of the cone with the Earth is shown.

Property Name: showIntersection

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_conicSensor.intersectionColor

The color of the intersection of the cone with the Earth.

Property Name: intersectionColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.intersectionWidth

The width of the intersection in pixels.

Property Name: intersectionWidth

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.showLateralSurfaces

Whether or not the intersections of the cone with the earth are shown.

Property Name: showLateralSurfaces

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_conicSensor.lateralSurfaceMaterial

Whether or not lateral surfaces are shown.

Property Name: lateralSurfaceMaterial

Interpolatable: no

agi_conicSensor.lateralSurfaceMaterial.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_conicSensor.lateralSurfaceMaterial.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.lateralSurfaceMaterial.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_conicSensor.lateralSurfaceMaterial.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_conicSensor.lateralSurfaceMaterial.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The numnger of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.lateralSurfaceMaterial.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_conicSensor.lateralSurfaceMaterial.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.lateralSurfaceMaterial.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.lateralSurfaceMaterial.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.lateralSurfaceMaterial.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.lateralSurfaceMaterial.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.lateralSurfaceMaterial.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_conicSensor.lateralSurfaceMaterial.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_conicSensor.lateralSurfaceMaterial.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.lateralSurfaceMaterial.stripe.oddColor

The odd color.

Property Name: oddColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.lateralSurfaceMaterial.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.lateralSurfaceMaterial.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.showEllipsoidSurfaces

Whether or not ellipsoid surfaces are shown.

Property Name: showEllipsoidSurfaces

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_conicSensor.ellipsoidSurfaceMaterial

The material to use for the cone's ellipsoid surface.

Property Name: ellipsoidSurfaceMaterial

Interpolatable: no

agi_conicSensor.ellipsoidSurfaceMaterial.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_conicSensor.ellipsoidSurfaceMaterial.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidSurfaceMaterial.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_conicSensor.ellipsoidSurfaceMaterial.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_conicSensor.ellipsoidSurfaceMaterial.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidSurfaceMaterial.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_conicSensor.ellipsoidSurfaceMaterial.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidSurfaceMaterial.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidSurfaceMaterial.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidSurfaceMaterial.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidSurfaceMaterial.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidSurfaceMaterial.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_conicSensor.ellipsoidSurfaceMaterial.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_conicSensor.ellipsoidSurfaceMaterial.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidSurfaceMaterial.stripe.oddColor

The odd color.

Property Name: oddCo`lor`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidSurfaceMaterial.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidSurfaceMaterial.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.showEllipsoidHorizonSurfaces

Whether or not ellipsoid horizon surfaces are shown.

Property Name: showEllipsoidHorizonSurfaces

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial

The material to use for the cone's ellipsoid horizon surface.

Property Name: ellipsoidHorizonSurfaceMaterial

Interpolatable: no

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The numnger of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: cellAlpha

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.stripe.oddColor

The odd color.

Property Name: oddCo`lor`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.ellipsoidHorizonSurfaceMaterial.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.showDomeSurfaces

Whether or not dome surfaces are shown.

Property Name: showDomeSurfaces

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_conicSensor.domeSurfaceMaterial

The material to use for the cone's dome.

Property Name: domeSurfaceMaterial

Interpolatable: no

agi_conicSensor.domeSurfaceMaterial.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_conicSensor.domeSurfaceMaterial.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.domeSurfaceMaterial.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_conicSensor.domeSurfaceMaterial.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_conicSensor.domeSurfaceMaterial.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The numnger of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.domeSurfaceMaterial.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_conicSensor.domeSurfaceMaterial.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.domeSurfaceMaterial.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.domeSurfaceMaterial.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.domeSurfaceMaterial.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.domeSurfaceMaterial.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.domeSurfaceMaterial.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_conicSensor.domeSurfaceMaterial.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_conicSensor.domeSurfaceMaterial.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.domeSurfaceMaterial.stripe.oddColor

The odd color.

Property Name: oddColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.domeSurfaceMaterial.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.domeSurfaceMaterial.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_conicSensor.portionToDisplay

Indicates what part of a sensor should be displayed.

Property Name: portionToDisplay

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
portionToDisplay	Interval	string	Indicates what part of a sensor should be displayed. Valid values are "COMPLETE", "BELOW_ELLIPSOID_HORIZON", "ABOVE_ELLIPSOID_HORIZON".
reference	Interval	string	A reference property.

agi_customPatternSensor

A custom sensor volume taking into account occlusion of an ellipsoid, i.e., the globe.

Note: This type is an extension and may not be implemented by all CZML clients.

Property Name: agi_customPatternSensor

Interpolatable: no

agi_customPatternSensor.show

Whether or not the pyramid is shown.

Property Name: show

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_customPatternSensor.directions

The list of directions defining the pyramid.

Property Name: directions

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
spherical	Interval	array	The list of directions represented as a clock angle, a cone angle, both in radians, and magnitude in meters. The clock angle is measured in the XY plane from the positive X axis toward the positive Y axis. The cone angle is the angle from the positive Z axis toward the negative Z axis.
unitSpherical	Interval	array	The list of directions represented as a clock angle and a cone angle, both in radians. The clock angle is measured in the XY plane from the positive X axis toward the positive Y axis. The cone angle is the angle from the positive Z axis toward the negative Z axis.
cartesian	Interval	array	The list of directions represented as Cartesian [X, Y, Z, X, Y, Z, ...]
unitCartesian	Interval	array	The list of directions represented as Cartesian [X, Y, Z, X, Y, Z, ...] .

agi_customPatternSensor.radius

The radial limit of the pyramid.

Property Name: radius

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.showIntersection

Whether or not the intersection of the pyramid with the Earth is shown.

Property Name: showIntersection

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_customPatternSensor.intersectionColor

The color of the intersection of the pyramid with the Earth.

Property Name: intersectionColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.intersectionWidth

The width of the intersection in pixels.

Property Name: intersectionWidth

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.showLateralSurfaces

Whether or not the intersections of the pyramid with the earth are shown.

Property Name: showLateralSurfaces

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_customPatternSensor.lateralSurfaceMaterial

Whether or not lateral surfaces are shown.

Property Name: lateralSurfaceMaterial

Interpolatable: no

agi_customPatternSensor.lateralSurfaceMaterial.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_customPatternSensor.lateralSurfaceMaterial.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.lateralSurfaceMaterial.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_customPatternSensor.lateralSurfaceMaterial.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_customPatternSensor.lateralSurfaceMaterial.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The numnger of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.lateralSurfaceMaterial.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_customPatternSensor.lateralSurfaceMaterial.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.lateralSurfaceMaterial.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.lateralSurfaceMaterial.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.lateralSurfaceMaterial.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.lateralSurfaceMaterial.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.lateralSurfaceMaterial.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_customPatternSensor.lateralSurfaceMaterial.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_customPatternSensor.lateralSurfaceMaterial.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.lateralSurfaceMaterial.stripe.oddColor

The odd color.

Property Name: oddColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.lateralSurfaceMaterial.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.lateralSurfaceMaterial.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.showEllipsoidSurfaces

Whether or not ellipsoid surfaces are shown.

Property Name: showEllipsoidSurfaces

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_customPatternSensor.ellipsoidSurfaceMaterial

The material to use for the pyramid's ellipsoid surface.

Property Name: ellipsoidSurfaceMaterial

Interpolatable: no

agi_customPatternSensor.ellipsoidSurfaceMaterial.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_customPatternSensor.ellipsoidSurfaceMaterial.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidSurfaceMaterial.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_customPatternSensor.ellipsoidSurfaceMaterial.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_customPatternSensor.ellipsoidSurfaceMaterial.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidSurfaceMaterial.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_customPatternSensor.ellipsoidSurfaceMaterial.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidSurfaceMaterial.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidSurfaceMaterial.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidSurfaceMaterial.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidSurfaceMaterial.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidSurfaceMaterial.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_customPatternSensor.ellipsoidSurfaceMaterial.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_customPatternSensor.ellipsoidSurfaceMaterial.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidSurfaceMaterial.stripe.oddColor

The odd color.

Property Name: oddColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidSurfaceMaterial.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidSurfaceMaterial.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.showEllipsoidHorizonSurfaces

Whether or not ellipsoid horizon surfaces are shown.

Property Name: showEllipsoidHorizonSurfaces

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial

The material to use for the pyramid's ellipsoid horizon surface.

Property Name: ellipsoidHorizonSurfaceMaterial

Interpolatable: no

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.stripe.oddColor

The odd color.

Property Name: oddColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.ellipsoidHorizonSurfaceMaterial.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.showDomeSurfaces

Whether or not dome surfaces are shown.

Property Name: showDomeSurfaces

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_customPatternSensor.domeSurfaceMaterial

The material to use for the pyramid's dome.

Property Name: domeSurfaceMaterial

Interpolatable: no

agi_customPatternSensor.domeSurfaceMaterial.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_customPatternSensor.domeSurfaceMaterial.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.domeSurfaceMaterial.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_customPatternSensor.domeSurfaceMaterial.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_customPatternSensor.domeSurfaceMaterial.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The numnger of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.domeSurfaceMaterial.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_customPatternSensor.domeSurfaceMaterial.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.domeSurfaceMaterial.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.domeSurfaceMaterial.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.domeSurfaceMaterial.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.domeSurfaceMaterial.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.domeSurfaceMaterial.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_customPatternSensor.domeSurfaceMaterial.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_customPatternSensor.domeSurfaceMaterial.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.domeSurfaceMaterial.stripe.oddColor

The odd color.

Property Name: oddCo`lor`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.domeSurfaceMaterial.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.domeSurfaceMaterial.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_customPatternSensor.portionToDisplay

Indicates what part of a sensor should be displayed.

Property Name: portionToDisplay

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
portionToDisplay	Interval	string	Indicates what part of a sensor should be displayed. Valid values are "COMPLETE", "BELOW_ELLIPSOID_HORIZON", "ABOVE_ELLIPSOID_HORIZON".
reference	Interval	string	A reference property.

agi_fan

Defines a fan, which starts at a point or apex and extends in a specified list of directions from the apex. Each pair of directions forms a face of the fan extending to the specified radius.

Note: This type is an extension and may not be implemented by all CZML clients.

Property Name: agi_fan

Interpolatable: no

agi_fan.show

Whether or not the fan is shown.

Property Name: show

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_fan.directions

The list of directions defining the fan.

Property Name: directions

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
spherical	Interval	array	The list of directions represented as a clock angle, a cone angle, both in radians, and magnitude in meters. The clock angle is measured in the XY plane from the positive X axis toward the positive Y axis. The cone angle is the angle from the positive Z axis toward the negative Z axis.
unitSpherical	Interval	array	The list of directions represented as a clock angle and a cone angle, both in radians. The clock angle is measured in the XY plane from the positive X axis toward the positive Y axis. The cone angle is the angle from the positive Z axis toward the negative Z axis.
cartesian	Interval	array	The list of directions represented as Cartesian [X, Y, Z, X, Y, Z, ...]
unitCartesian	Interval	array	The list of directions represented as Cartesian [X, Y, Z, X, Y, Z, ...] .

agi_fan.radius

The radial limit of the fan.

Property Name: radius

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.perDirectionRadius

When true, the magnitude of each direction is used instead of a constant radius.

Property Name: perDirectionRadius

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_fan.material

The material to display on the surface of the fan.

Property Name: material

Interpolatable: no

agi_fan.material.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_fan.material.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.material.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_fan.material.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_fan.material.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.material.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_fan.material.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.material.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.material.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.material.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.material.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.material.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_fan.material.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_fan.material.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.material.stripe.oddColor

The odd color.

Property Name: oddCo`lor`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.material.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.material.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.fill

Whether or not the fan is filled.

Property Name: fill

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_fan.outline

Whether or not the fan is outlined.

Property Name: `outline`

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
<code>boolean</code>	Interval	boolean	The boolean value.

agi_fan.numberOfRings

The number of outline rings to draw, starting from the outer edge and equidistantly spaced towards the center.

Property Name: `numberOfRings`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_fan.outlineColor

The color of the fan outline.

Property Name: outlineColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor

A rectangular pyramid sensor volume taking into account occlusion of an ellipsoid, i.e., the globe.

Note: This type is an extension and may not be implemented by all CZML clients.

Property Name: `agi_rectangularSensor`

Interpolatable: no

agi_rectangularSensor.show

Whether or not the pyramid is shown.

Property Name: show

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_rectangularSensor.xHalfAngle

The X half angle.

Property Name: xHalfAngle

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.yHalfAngle

The Y half angle.

Property Name: yHalfAngle

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.radius

The radial limit of the pyramid.

Property Name: radius

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.showIntersection

Whether or not the intersection of the pyramid with the Earth is shown.

Property Name: showIntersection

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_rectangularSensor.intersectionColor

The color of the intersection of the pyramid with the Earth.

Property Name: intersectionColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.intersectionWidth

The width of the intersection in pixels.

Property Name: intersectionWidth

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.showLateralSurfaces

Whether or not the intersections of the pyramid with the earth are shown.

Property Name: showLateralSurfaces

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_rectangularSensor.lateralSurfaceMaterial

Whether or not lateral surfaces are shown.

Property Name: lateralSurfaceMaterial

Interpolatable: no

agi_rectangularSensor.lateralSurfaceMaterial.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_rectangularSensor.lateralSurfaceMaterial.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.lateralSurfaceMaterial.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_rectangularSensor.lateralSurfaceMaterial.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_rectangularSensor.lateralSurfaceMaterial.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The numnger of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.lateralSurfaceMaterial.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_rectangularSensor.lateralSurfaceMaterial.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.lateralSurfaceMaterial.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.lateralSurfaceMaterial.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.lateralSurfaceMaterial.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.lateralSurfaceMaterial.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.lateralSurfaceMaterial.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_rectangularSensor.lateralSurfaceMaterial.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_rectangularSensor.lateralSurfaceMaterial.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.lateralSurfaceMaterial.stripe.oddColor

The odd color.

Property Name: oddColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.lateralSurfaceMaterial.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.lateralSurfaceMaterial.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.showEllipsoidSurfaces

Whether or not ellipsoid surfaces are shown.

Property Name: showEllipsoidSurfaces

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_rectangularSensor.ellipsoidSurfaceMaterial

The material to use for the pyramid's ellipsoid surface.

Property Name: ellipsoidSurfaceMaterial

Interpolatable: no

agi_rectangularSensor.ellipsoidSurfaceMaterial.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_rectangularSensor.ellipsoidSurfaceMaterial.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidSurfaceMaterial.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_rectangularSensor.ellipsoidSurfaceMaterial.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_rectangularSensor.ellipsoidSurfaceMaterial.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidSurfaceMaterial.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_rectangularSensor.ellipsoidSurfaceMaterial.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidSurfaceMaterial.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidSurfaceMaterial.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidSurfaceMaterial.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidSurfaceMaterial.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidSurfaceMaterial.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_rectangularSensor.ellipsoidSurfaceMaterial.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_rectangularSensor.ellipsoidSurfaceMaterial.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidSurfaceMaterial.stripe.oddColor

The odd color.

Property Name: oddCo`lor`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidSurfaceMaterial.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidSurfaceMaterial.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.showEllipsoidHorizonSurfaces

Whether or not ellipsoid horizon surfaces are shown.

Property Name: showEllipsoidHorizonSurfaces

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial

The material to use for the pyramid's ellipsoid horizon surface.

Property Name: ellipsoidHorizonSurfaceMaterial

Interpolatable: no

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.stripe.oddColor

The odd color.

Property Name: oddCo`lor`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.ellipsoidHorizonSurfaceMaterial.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.showDomeSurfaces

Whether or not dome surfaces are shown.

Property Name: showDomeSurfaces

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_rectangularSensor.domeSurfaceMaterial

The material to use for the pyramid's dome.

Property Name: domeSurfaceMaterial

Interpolatable: no

agi_rectangularSensor.domeSurfaceMaterial.solidColor

Fills the surface with a solid color, which may be translucent.

Property Name: solidColor

Interpolatable: no

agi_rectangularSensor.domeSurfaceMaterial.solidColor.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.domeSurfaceMaterial.image

Fills the surface with an image.

Property Name: `image`

Interpolatable: no

agi_rectangularSensor.domeSurfaceMaterial.image.image

The image to display on the surface.

Property Name: image

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
uri	Interval	string	The URI value.
reference	Interval	string	A reference property.

agi_rectangularSensor.domeSurfaceMaterial.image.repeat

The number of times the image repeats along each axis.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of times the image repeats along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specified as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.domeSurfaceMaterial.grid

Fills the surface with a grid.

Property Name: grid

Interpolatable: no

agi_rectangularSensor.domeSurfaceMaterial.grid.color

The color of the surface.

Property Name: color

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.domeSurfaceMaterial.grid.cellAlpha

Alpha value for the space between grid lines. This will be combined with the color alpha.

Property Name: `cellAlpha`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.domeSurfaceMaterial.grid.lineCount

The number of grid lines along each axis.

Property Name: lineCount

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The number of grid lines along each axis.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.domeSurfaceMaterial.grid.lineThickness

The thickness of grid lines along each axis, in pixels.

Property Name: lineThickness

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The thickness of grid lines along each axis, in pixels.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.domeSurfaceMaterial.grid.lineOffset

The offset of grid lines along each axis, as a percentage from 0 to 1.

Property Name: lineOffset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
cartesian2	Interval	array	The offset of grid lines along each axis, as a percentage from 0 to 1.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.domeSurfaceMaterial.stripe

Fills the surface with alternating colors.

Property Name: stripe

Interpolatable: no

agi_rectangularSensor.domeSurfaceMaterial.stripe.orientation

The value indicating if the stripes are horizontal or vertical.

Property Name: orientation

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
StripeOrientation	Interval	string	The orientation of stripes in the stripe material. Valid values are "HORIZONTAL" or "VERTICAL".
reference	Interval	string	A reference property.

agi_rectangularSensor.domeSurfaceMaterial.stripe.evenColor

The even color.

Property Name: evenColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.domeSurfaceMaterial.stripe.oddColor

The odd color.

Property Name: oddColor

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
rgba	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
rgbaf	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.domeSurfaceMaterial.stripe.offset

The value indicating where in the pattern to begin drawing; with 0.0 being the beginning of the even color, 1.0 the beginning of the odd color, 2.0 being the even color again, and any multiple or fractional values being in between.

Property Name: offset

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.domeSurfaceMaterial.stripe.repeat

The number of time the stripes repeat.

Property Name: repeat

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_rectangularSensor.portionToDisplay

Indicates what part of a sensor should be displayed.

Property Name: portionToDisplay

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
portionToDisplay	Interval	string	Indicates what part of a sensor should be displayed. Valid values are "COMPLETE", "BELOW_ELLIPSOID_HORIZON", "ABOVE_ELLIPSOID_HORIZON".
reference	Interval	string	A reference property.

agi_vector

Defines a graphical vector that originates at the `position` property and extends in the provided direction for the provided length.

Note: This type is an extension and may not be implemented by all CZML clients.

Property Name: `agi_vector`

Interpolatable: no

agi_vector.show

Whether or not the vector is shown.

Property Name: `show`

Interpolatable: no

Sub-properties:

Name	Scope	Type	Description
boolean	Interval	boolean	The boolean value.

agi_vector.color

The color of the vector.

Property Name: `color`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
<code>rgba</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0-255. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>rgbaf</code>	Interval	array	The color specified as an array of color components [Red, Green, Blue, Alpha] where each component is in the range 0.0-1.0. If the array has four elements, the color is constant. If it has five or more elements, they are time-tagged samples arranged as [Time, Red, Green, Blue, Alpha, Time, Red, Green, Blue, Alpha, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
<code>reference</code>	Interval	string	A reference property.
<code>epoch</code>	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
<code>nextTime</code>	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
<code>previousTime</code>	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_vector.direction

The direction of the vector.

Property Name: `direction`

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
axes	Interval	string	TODO
spherical	Interval	array	A direction specified as a spherical [Clock, Cone, Magnitude] angles in radians, distance in meters. If the array has three elements, the direction is constant. If it has four or more elements, they are time-tagged samples arranged as [Time, Clock, Cone, Magnitude, Time, Clock, Cone, Magnitude, Time, Clock, Cone, Magnitude, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
unitSpherical	Interval	array	A direction specified as a unit spherical [Clock, Cone] angles in radians. If the array has two elements, the direction is constant. If it has three or more elements, they are time-tagged samples arranged as [Time, Clock, Cone, Time, Clock, Cone, Time, Clock, Cone, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
cartesian	Interval	array	The direction represented as a unit Cartesian [X, Y, Z]. If the array has three elements, the position is constant. If it has four or more elements, they are time-tagged samples arranged as [Time, X, Y, Z, Time, X, Y, Z, Time, X, Y, Z, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
unitCartesian	Interval	array	The direction represented as a unit Cartesian [X, Y, Z]. If the array has three elements, the position is constant. If it has four or more elements, they are time-tagged samples arranged as [Time, X, Y, Z, Time, X, Y, Z, Time, X, Y, Z, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
		string	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch.

nextTime	Packet	or number	This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_vector.length

The graphical length of the vector.

Property Name: length

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.

agi_vector.minimumLengthInPixels

The minimum graphical length of the vector in pixels.

Property Name: minimumLengthInPixels

Interpolatable: yes

Sub-properties:

Name	Scope	Type	Description
number	Interval	number or array	The floating-point value. The value may be a single number, in which case the value is constant over the interval, or it may be an array. If it is an array and the array has one element, the value is constant over the interval. If it has two or more elements, they are time-tagged samples arranged as [Time, Value, Time, Value, ...], where Time is an ISO 8601 date and time string or seconds since epoch.
reference	Interval	string	A reference property.
epoch	Packet	string	Specifies the epoch to use for times specifies as seconds since an epoch.
nextTime	Packet	string or number	The time of the next sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.
previousTime	Packet	string or number	The time of the previous sample within this interval, specified as either an ISO 8601 date and time string or as seconds since epoch. This property is used to determine if there is a gap between samples specified in different packets.