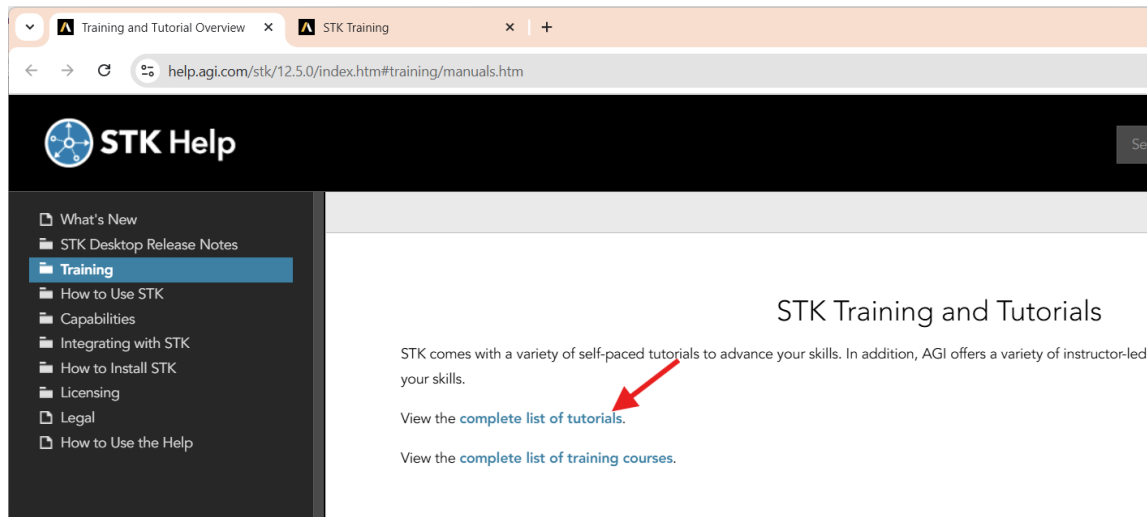
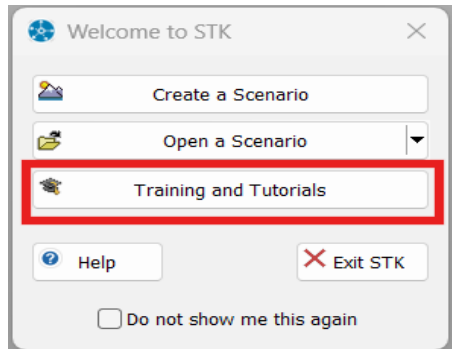
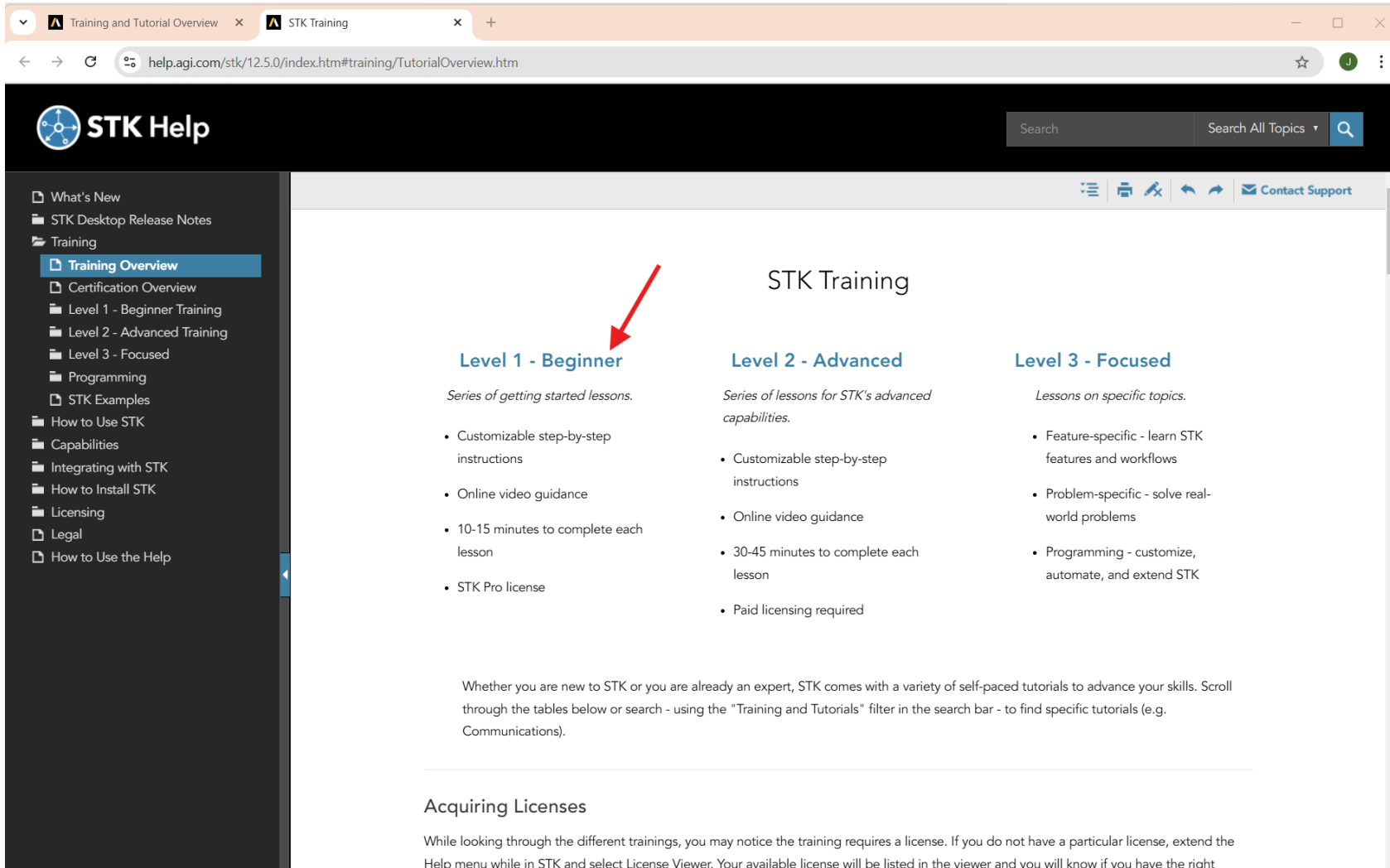


STK Training



STK – Level 1



The screenshot shows the STK Help website interface. The browser tabs at the top are 'Training and Tutorial Overview' and 'STK Training'. The address bar shows the URL: `help.agi.com/stk/12.5.0/index.htm#training/TutorialOverview.htm`. The STK Help logo is in the top left, and a search bar is in the top right. A left sidebar contains a navigation menu with items like 'What's New', 'STK Desktop Release Notes', 'Training', 'Certification Overview', 'Level 1 - Beginner Training', 'Level 2 - Advanced Training', 'Level 3 - Focused', 'Programming', 'STK Examples', 'How to Use STK', 'Capabilities', 'Integrating with STK', 'How to Install STK', 'Licensing', 'Legal', and 'How to Use the Help'. The main content area is titled 'STK Training' and features a table with three columns: 'Level 1 - Beginner', 'Level 2 - Advanced', and 'Level 3 - Focused'. A red arrow points to the 'Level 1 - Beginner' link. Below the table, there is a paragraph of text and a section titled 'Acquiring Licenses'.

STK Training

Level 1 - Beginner	Level 2 - Advanced	Level 3 - Focused
<i>Series of getting started lessons.</i>	<i>Series of lessons for STK's advanced capabilities.</i>	<i>Lessons on specific topics.</i>
<ul style="list-style-type: none">• Customizable step-by-step instructions• Online video guidance• 10-15 minutes to complete each lesson• STK Pro license	<ul style="list-style-type: none">• Customizable step-by-step instructions• Online video guidance• 30-45 minutes to complete each lesson• Paid licensing required	<ul style="list-style-type: none">• Feature-specific - learn STK features and workflows• Problem-specific - solve real-world problems• Programming - customize, automate, and extend STK

Whether you are new to STK or you are already an expert, STK comes with a variety of self-paced tutorials to advance your skills. Scroll through the tables below or search - using the "Training and Tutorials" filter in the search bar - to find specific tutorials (e.g. Communications).

Acquiring Licenses

While looking through the different trainings, you may notice the training requires a license. If you do not have a particular license, extend the Help menu while in STK and select License Viewer. Your available license will be listed in the viewer and you will know if you have the right

STK – Level 1

The screenshot shows a web browser with two tabs: "Training and Tutorial Overview" and "STK Training". The address bar shows the URL `help.agi.com/stk/12.5.0/index.htm#training/TutorialOverview.htm#beginner`. The page features a dark header with the "STK Help" logo and a search bar. A left sidebar lists various help topics, with "Training Overview" highlighted. The main content area, outlined by a red rectangle, is titled "Level 1 - Beginner" and describes a series of tutorials for new users. It includes a table of five lessons, all requiring "STK Pro". Below this, the "Level 2 - Advanced" section is partially visible.

Level 1 - Beginner

The Level 1 - Beginner training is a series of tutorials designed to get the user started using STK.

Once you have completed these tutorials, you will be ready to take the free level 1 STK Certification test! Visit www.agi.com/training-and-certification#cert/.

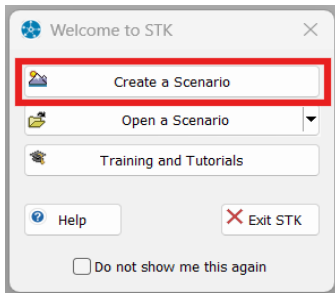
Tutorial	Capabilities
Lesson One: Build Scenarios ⓘ	STK Pro
Lesson Two: Objects and Properties ⓘ	STK Pro
Lesson Three: Access Report and Graphs ⓘ	STK Pro
Lesson Four: Movies and Visual Data Files ⓘ	STK Pro
Lesson Five: Introduction to Connect ⓘ	STK Pro

Level 2 - Advanced

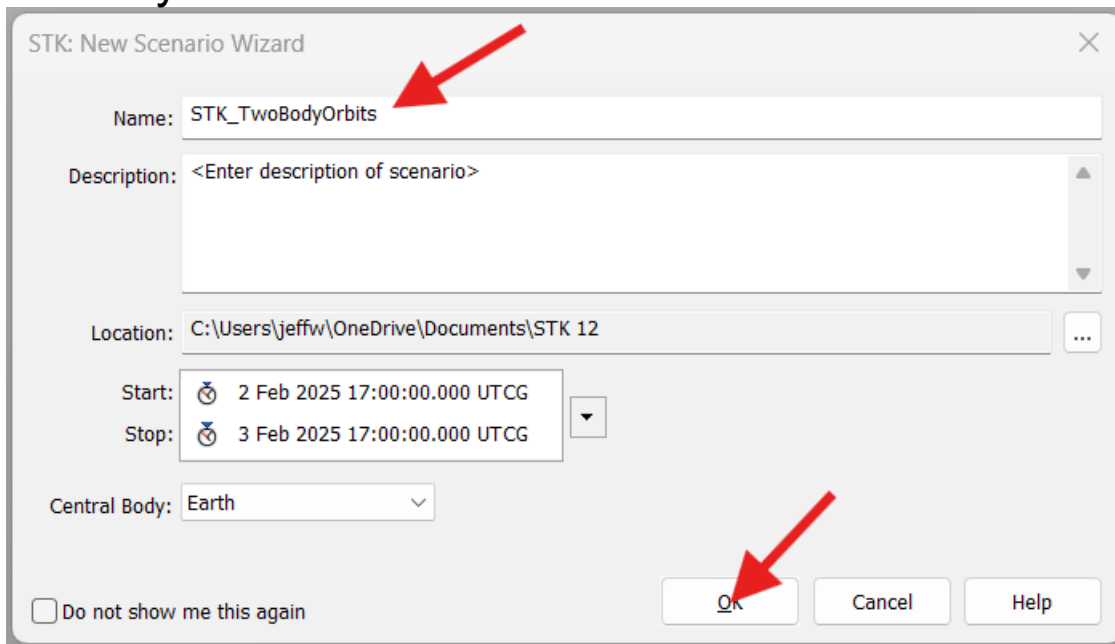
The Level 2 - Advanced Training is a series of tutorials designed to take a user through STK's advanced capabilities.

Once you have completed these tutorials, you will be ready to take the level 2 STK Master Certification test! Visit www.agi.com/training-and-certification#cert/ (free for U.S. and Canada). Upon registration for the level 2 Master Certification, you will receive an email confirmation with an attachment for a 14 day demo license. This license provides you access to all the capabilities needed to complete the certification. This

STK – Two-Body Orbits



Name your scenario



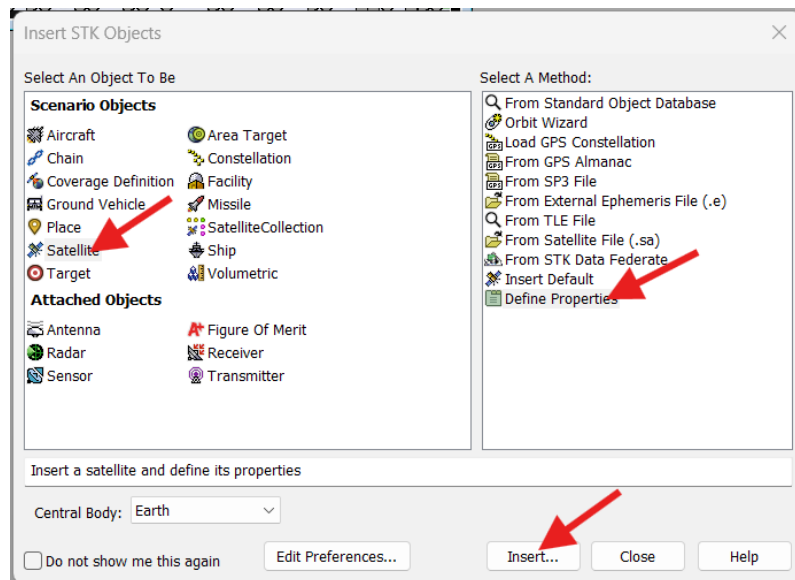
STK – Two-Body Orbits

Insert a satellite object

Select 'satellite'

Select 'Define Properties'

Click 'Insert...'



STK – Two-Body Orbits

Circular orbit with 200km altitude

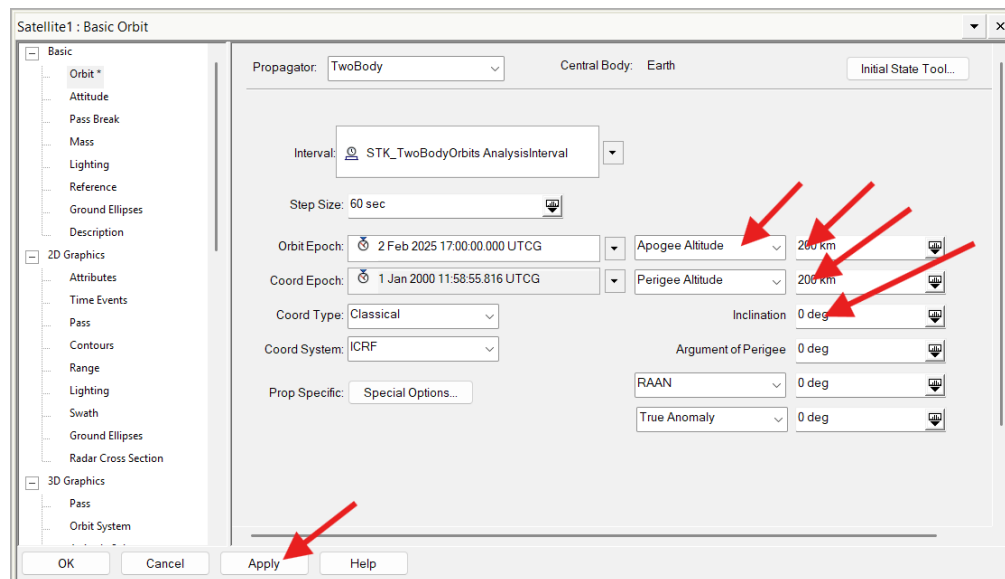
Change 'Semi-major axis' to 'Apogee Altitude'

Set value to 200 km

Set value for Perigee Altitude to 200 km

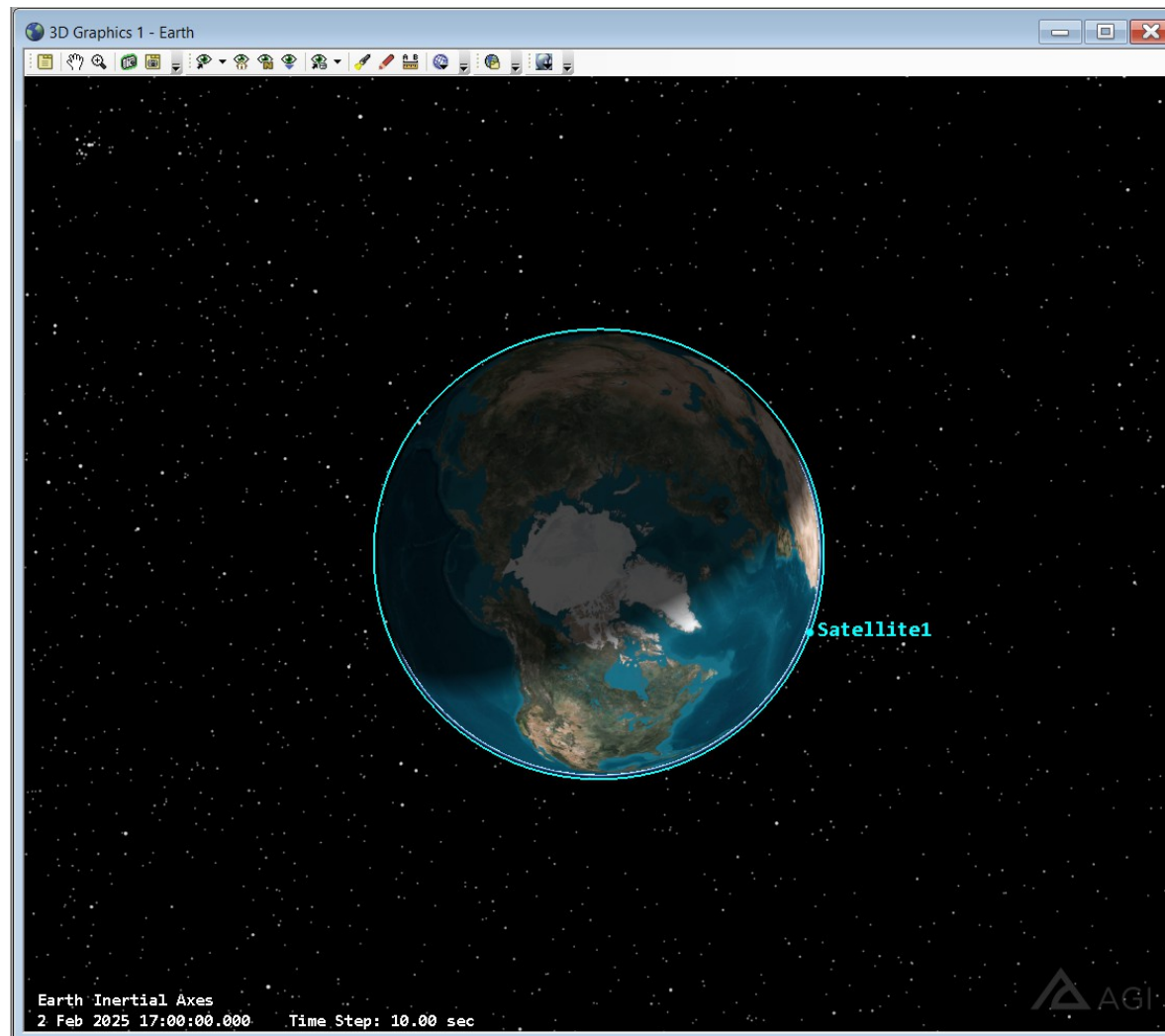
Set inclination to 0 deg

Click 'Apply'



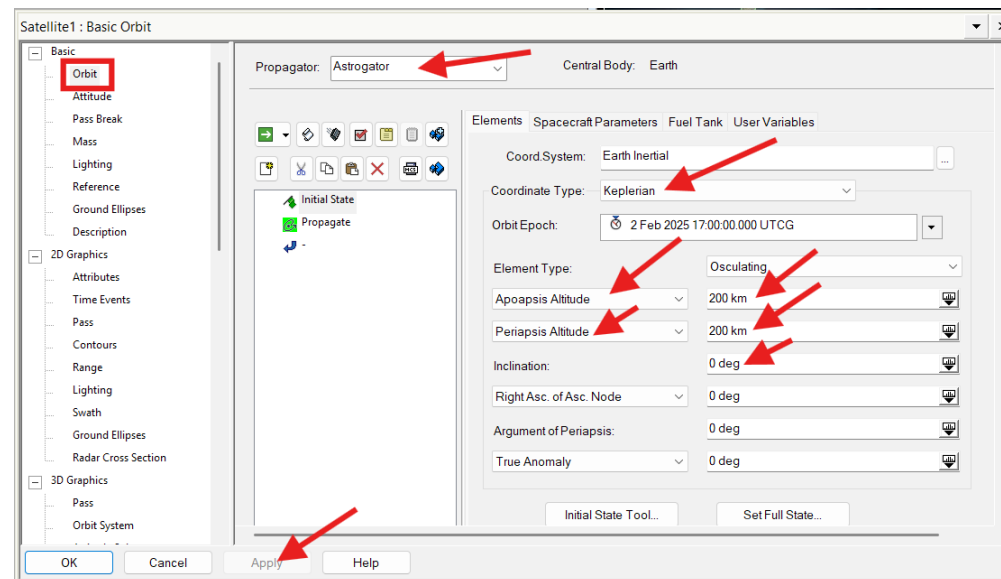
STK – Two-Body Orbits

Using the mouse, rotate the 3-D view to look down on orbit plane from Earth's north pole



STK – Astrogator

For a circular orbit, under Basic | Orbit,
Change propagator to 'Astrogator'
Set Initial State,
Coordinate Type: Keplerian
Apoapsis Altitude: 500 km
Periapsis Altitude: 500 km
Inclination: 0 deg
Click 'Apply'



STK – Astrogator

Under Basic | Orbit, Propagator: 'Astrogator'

Set Propagate Stopping Conditions,

Deactivate Duration (uncheck)

New...

Select: True Anomaly

Set Trip: 360 deg

Click 'Apply'

Click 'Run Entire Mission Control Sequence'