



UTMZone	
PK	<u>zone_number</u>
FK	epsg_code

Epoch	
PK	<u>epoch_id</u>
	epoch_year
	description
FK	epsg_code

Drive	
PK	<u>drive_id</u>
	serial_number
	storage_total_gb
	storage_used_gb
	file_count
FK	nas_id
FK	delivery_id

Delivery	
PK	<u>delivery_id</u>
	receiver_name
	timestamp
	comments

SensorData	
PK	<u>sensor_data_id</u>
	file_name
	file_path
	file_size
FK	nas_id
FK	delivery_id
FK	trajectory_id

NASBox	
PK	<u>nas_id</u>
	name
	location
	capacity_gb
	IPv4_addr
	drive_letter

Trajectory	
PK	<u>trajectory_id</u>
	file_name
	file_path
	file_size
FK	nas_id

ProductionStatus	
PK	<u>status_id</u>
	status_code
	timestamp
	processed_by
	comments
FK	lidar_id

SpatialReference	
PK	<u>epsg_code</u>
	proj_name
	description

BCGS2500kGrid	
PK	<u>tile_2500k</u>
	geometry
FK	epsg_code
FK	tile_20k
FK	lidar_id

BCGS20KGrid	
PK	<u>tile_20k</u>
	geometry
	priority
	is_covered
FK	epsg_code

Lidar	
PK	<u>lidar_id</u>
	file_name
	file_path
	file_size
	x_min
	x_max
	y_min
	y_max
	lidar_type
	version
FK	epsg_code
FK	nas_id
FK	trajectory_id

DerivedProduct	
PK	<u>derived_product_id</u>
	derived_product_type
	file_name
	file_path
	file_size
	x_min
	x_max
	y_min
	y_max
	bounding_box
FK	epsg_code
FK	tile_20k
FK	nas_id

LidarTile	
PK, FK	<u>lidar_id</u>
	bounding_box
FK	tile_2500k

LidarStrip	
PK, FK	<u>lidar_id</u>
	convex_hull
	file_source_id

E C L I P S E

Environmental Collection and LiDAR-Integrated Processing and Storage Engine