ECHODYNE

SW 16.3 Radar Sample Data – READ ME

This sample data is provided to assist users in validating their software integrations planned for consumption and visualization of Echodyne Track, Status, Measurement and Detection packets from EchoGuard (and EchoFlight) radars. Raw RVmap packets are available upon request for separate tests.

- The data package demonstrates real world performance of a 4-up radar tower tracking a DJI Phantom 4 UAV flying at 100 meters AGL in a flight pattern controlled by waypoints as shown below.
- The 4 radars are aligned to cardinal directions and operating with large overlap to show opportunities for track fusion and hand-off between radars.
- This collect with RadarConfig.json file defining the radar orientations is compatible with RadarUI v1.3.0
- Ground truth of the DJI drone in CSV, KML and GPX format is also provided.
- An .mp4 movie at 4x playback speed is included for easy viewing from our EchoGuard UI application.

Overview of DJI P4 Target Flight Pattern

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