

From: Valles, Rick (Santa Monica)
To: Douglas Young
Date: Tuesday, March 04, 2003 1:54:20 PM
Subject: File Number: 0077-EX-ST-2003

Mr. Young,

The coordinates below are for NASA Langley, they have two hangers on site so I would think I need both Coordinates. Please feel free to contact me with any question you might have.

Best regards,
Rick Valles
310-915-8183

WGS-84 Geographic coordinates for Langley and Wallop

1. NASA Langley; GPS antenna located on roof of building 1244

Latitude: N 37° 05' 08.11561" 37.08558767° 37°
05.1352602' N
Longitude: W 76° 22' 38.54237" -76.37737288° 76°
22.6423728' W
Elevation (MSL): +30.190 m +99.048 ft
Ellipsoid height: -6.740 m -22.113 ft
Geoid's Height; -36.930 m -121.161 ft
ECEF X: +1199831.625 Y: -4950954.368 Z:
+3824970.445 m

2. Wallops Flight Facility; GPS antenna on roof Project Control tower

Latitude: N 37° 56' 12.77772" 37.93688270° 37°
56.2129620' N
Longitude: W 75° 28' 11.53223" -75.46987006° 75°
28.1922038' W
Elevation (MSL): +28.118 m +92.251 ft
Ellipsoid height: -8.783 m +28.816 ft
Geoid's Height; -36.901 m -121.066 ft
ECEF X: +1263661.220 Y: -4875636.871 Z:
+3899915.580 m