

NOV 2020

To Whom it May Concern –

The following information has been determined to be unclassified, non-proprietary to Lockheed Martin and publicly releasable:

- 1) The following table presents the GPS III SV04 (SVN77) antenna phase center offsets of the L1, L2 and L5 signals for the Earth Coverage (EC) antenna deck. These values are measured with respect to the Space Vehicle center of mass.

	X (inches)	Y (inches)	Z (inches)
L1 freq	0.172	-0.8888	44.0806
L2 freq	0.1067	-0.9929	24.934
L5 freq	0.0165	-0.9571	24.2533

- 2) The following table presents the group delay (TGD) and inter-signal correction (ISC) values measured at the factory.

Inter-Signal Correction Parameters		
Parameter	Value	Units
T(GD) (L1P-L2P)	-2.17E-09	Seconds
ISC(L1C/A)	-5.02E-10	Seconds
ISC(L1Cp)	-6.38E-10	Seconds
ISC(L1Cd)	-3.20E-10	Seconds
ISC(L2C)	-2.48E-09	Seconds
ISC(L2PY)	1.40E-09	Seconds
ISC(L5I5)	-1.02E-08	Seconds
ISC(L5Q5)	-9.81E-09	Seconds