

**IRN-IS-800B-001
21-SEP-2011**

**GLOBAL POSITIONING SYSTEM DIRECTORATE
SYSTEMS ENGINEERING & INTEGRATION
INTERFACE SPECIFICATION
IS-GPS-800**

Navstar GPS Space Segment/User Segment L1C Interface



AUTHENTICATED BY:

A handwritten signature in black ink, appearing to read 'Michael J. Dunn', is written over a horizontal line.

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17 APR 12

Date

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IS-GPS-800, Rev B Publication Error WAS/IS Matrix

Section	WAS	IS			
3.5.3	Table 3.5-1. Subframe 2 Parameters (2 of 3)				
	Parameter	No. of Bits**	Scale Factor (LSB)	Effective Range***	Units
	Ω_{0-n} ****	33*	2^{-32}		semi-circles
	$\dot{\Delta \Omega}$ *****	17*	2^{-44}		semi-circles/sec
	i_{0-n}	33*	2^{-32}		semi-circles
	\dot{i}_{0-n} -DOT	15*	2^{-66}		semi-circles/sec
	C_{is-n}	16*	2^{-30}		radians
	C_{ic-n}	16*	2^{-30}		radians
	C_{rs-n}	24*	2^{-8}		meters
	C_{rc-n}	24*	2^{-8}		meters
	C_{us-n}	21*	2^{-30}		radians
	C_{uc-n}	21*	2^{-30}		radians
	<p>* Parameters so indicated are in two's complement notation; ** See Figure 3.5-1 for complete bit allocation in Subframe 2; *** Unless otherwise indicated in this column, effective range is the maximum range attainable with indicated bit allocation and scale factor. **** Ω_{0-n} is the right ascension angle at the weekly epoch propagated to the reference time at the rate of right ascension $\{\dot{\Omega}_{REF}$ Table 3.5-1}. ***** Relative to $\dot{\Omega}_{REF} = -2.6 \times 10^{-9}$ semi-circles/second.</p>				
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