

## L1C PRN CODE ASSIGNMENTS

PRN Signal Number	L1C <sub>p</sub>		L1C <sub>d</sub>		L1C <sub>o</sub>			PRN Allocations	Orbital Slot	Effective Date
	Weil Index ( <i>w</i> )	Index Insertion ( <i>p</i> )	Weil Index ( <i>w</i> )	Index Insertion ( <i>p</i> )	S1 Polynomial Coefficient (Octal) ( <i>m<sub>i</sub>, j</i> )	S1 Initial Condition (Octal)	S2 Initial Condition (Octal)			

1-63	See IS-GPS-800 <sup>i</sup>		See IS-GPS-800 <sup>i</sup>		See IS-GPS-800 <sup>i</sup>			Reserved for GPS	See NAVCEN <sup>ii</sup>	See NAVCEN <sup>ii</sup>
64-119	See IS-GPS-800 <sup>i</sup>		See IS-GPS-800 <sup>i</sup>		See IS-GPS-800 <sup>i</sup>			Reserved for other augmentation systems	N/A	Current
120-158	See Below		See Below		See Below			Reserved for SBAS	See Below	Current
159-210	See Below		See Below		See Below			Reserved for other GNSS & other augmentation systems	See Below	Current

### Reserved for Satellite-Based Augmentation System (SBAS) (PRNs 120-158)

120	4990	604	4447	257	5421	2564	0223	Unallocated	---	---
121	4982	4678	4570	507	5421	3075	0151	Unallocated	---	---
122	4966	4854	4486	4572	5421	3455	2405	Unallocated	---	---
123	4949	4122	4362	4491	5421	3627	2522	Unallocated	---	---
124	4947	9471	4481	341	5421	617	3235	Unallocated	---	---
125	4937	5026	4322	130	5421	1324	0452	Unallocated	---	---
126	4935	272	4668	79	5421	3506	2617	Unallocated	---	---
127	4906	1027	3967	1142	5421	2231	1300	Unallocated	---	---
128	4901	317	4374	448	5421	1110	1430	Unallocated	---	---
129	4872	691	4553	875	5421	1271	0773	Unallocated	---	---
130	4865	509	4641	555	5421	3740	0772	Unallocated	---	---
131	4863	9708	4215	1272	5421	3652	3561	Unallocated	---	---
132	4818	5033	3853	5198	5421	1644	0607	Unallocated	---	---

Changes shown in **bold**      System name (Satellite name)  
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	Weil Index ( <i>w</i> )	Index Insertion ( <i>p</i> )	Weil Index ( <i>w</i> )	Index Insertion ( <i>p</i> )	S1 Polynomial Coefficient (Octal) ( <i>m<sub>i</sub>, j</i> )	S1 Initial Condition (Octal)	S2 Initial Condition (Octal)			
133	4785	9938	4787	9529	5421	3635	0420	Unallocated	---	---
134	4781	4314	4266	4459	5421	3436	0527	Unallocated	---	---
135	4776	10140	4199	10019	5421	3076	3770	Unallocated	---	---
136	4775	4790	4545	9353	5421	434	2536	Unallocated	---	---
137	4754	9823	4208	9780	5421	3340	2233	Unallocated	---	---
138	4696	6093	4485	375	5421	54	3366	Unallocated	---	---
139	4690	469	3714	503	5403	2446	3766	Unallocated	---	---
140	4658	1215	4407	4507	5403	25	3554	Unallocated	---	---
141	4607	799	4182	875	5403	150	2060	Unallocated	---	---
142	4599	756	4203	1246	5403	2746	2070	Unallocated	---	---
143	4596	9994	3788	1	5403	2723	0713	Unallocated	---	---
144	4530	4843	4471	4534	5403	2601	3366	Unallocated	---	---
145	4524	5271	4691	8	5403	3440	3247	Unallocated	---	---
146	4451	9661	4281	9549	5403	1312	2776	Unallocated	---	---
147	4441	6255	4410	6240	5403	544	1244	Unallocated	---	---
148	4396	5203	3953	22	5403	2062	2102	Unallocated	---	---
149	4340	203	3465	5652	5403	176	1712	Unallocated	---	---
150	4335	10070	4801	10069	5403	3616	1245	Unallocated	---	---
151	4296	30	4278	4796	5403	1740	3344	Unallocated	---	---
152	4267	103	4546	4980	5403	3777	1277	Unallocated	---	---
153	4168	5692	3779	27	5403	432	0165	Unallocated	---	---
154	4149	32	4115	90	5403	2466	2131	Unallocated	---	---
155	4097	9826	4193	9788	5403	1667	3623	Unallocated	---	---
156	4061	76	3372	715	5403	3601	0141	Unallocated	---	---
157	3989	59	3786	9720	5403	2706	0421	Unallocated	---	---
158	3966	6831	3491	301	5403	2022	3032	Unallocated	---	---

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	Weil Index ( <i>w</i> )	Index Insertion ( <i>p</i> )	Weil Index ( <i>w</i> )	Index Insertion ( <i>p</i> )	S1 Polynomial Coefficient (Octal) ( <i>m</i> , <i>j</i> )	S1 Initial Condition (Octal)	S2 Initial Condition (Octal)			

### Other Global Navigation Satellite Systems (GNSS) & Other Applications (PRNs 159 – 210)

159	3789	958	3812	5450	5403	1363	2065	Unallocated	---	---
160	3775	1471	3594	5215	5403	2331	3024	Unallocated	---	---
161	3622	10070	4028	13	5403	3556	2663	Unallocated	---	---
162	3523	553	3652	1147	5403	2205	2274	Unallocated	---	---
163	3515	5487	4224	4855	5403	3734	2114	Unallocated	---	---
164	3492	55	4334	1190	5403	2115	1664	Unallocated	---	---
165	3345	208	3245	1267	5403	10	0413	Unallocated	---	---
166	3235	645	3921	1302	5403	2140	1512	Unallocated	---	---
167	3169	5268	3840	1	5403	3136	0135	Unallocated	---	---
168	3157	1873	3514	5007	5403	272	2737	Unallocated	---	---
169	3082	427	2922	549	5403	3264	1015	Unallocated	---	---
170	3072	367	4227	368	5403	2017	1075	Unallocated	---	---
171	3032	1404	3376	6300	5403	2505	1255	Unallocated	---	---
172	3030	5652	3560	5658	5403	3532	3473	Unallocated	---	---
173	4582	5	4989	4302	5403	647	2716	QZSS – IMES <sup>iii</sup>	Ground	Active until 11/2017
174	4595	368	4756	851	5403	1542	0101	QZSS – IMES <sup>iii</sup>	Ground	Active until 11/2017
175	4068	451	4624	4353	5403	2154	1105	QZSS – IMES <sup>iii</sup>	Ground	Active until 11/2017
176	4871	9595	4446	9618	5403	3734	1407	QZSS – IMES <sup>iii</sup>	Ground	Active until 11/2017
177	4514	1030	4174	9652	5403	2621	3407	QZSS – IMES <sup>iii</sup>	Ground	Active until 11/2017
178	4439	1324	4551	1232	5403	2711	1046	QZSS – IMES <sup>iii</sup>	Ground	Active until 11/2017
179	4122	692	3972	109	5403	217	3237	QZSS – IMES <sup>iii</sup>	Ground	Active until

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	Weil Index ( <i>w</i> )	Index Insertion ( <i>p</i> )	Weil Index ( <i>w</i> )	Index Insertion ( <i>p</i> )	S1 Polynomial Coefficient (Octal) ( <i>m</i> , <i>j</i> )	S1 Initial Condition (Octal)	S2 Initial Condition (Octal)			
										11/2017
180	4948	9819	4399	10174	5403	3503	0154	QZSS - IMES <sup>iii</sup>	Ground	Active until 11/2017
181	4774	4520	4562	6178	5403	3457	3010	QZSS - IMES <sup>iii</sup>	Ground	Active until 11/2017
182	3923	9911	3133	1851	5403	3750	2245	QZSS - IMES <sup>iii</sup>	Ground	Active until 11/2017
183	3411	278	4157	1299	5403	2525	2051	Unallocated	---	---
184	4745	642	5053	325	5403	113	2144	Unallocated	---	---
185	4195	6330	4536	10206	5403	265	1743	Unallocated	---	---
186	4897	5508	5067	9968	5403	1711	2511	Unallocated	---	---
187	3047	1872	3905	10191	5403	552	3410	Unallocated	---	---
188	4185	5445	3721	5438	5403	675	1414	Unallocated	---	---
189	4354	10131	3787	10080	5403	1706	1275	Unallocated	---	---
190	5077	422	4674	219	5403	3513	2257	Unallocated	---	---
191	4042	4918	3436	758	5403	1135	2331	Unallocated	---	---
192	2111	787	2673	2140	5403	566	0276	Unallocated	---	---
193	4311	9864	4834	9753	5403	500	3261	QZSS (QZS1)	A1 <sup>iv</sup>	Active Until 8/2025
194	5024	9753	4456	4799	5403	254	1760	QZSS (Reserved)	TBD	Active Until 8/2025
195	4352	9859	4056	10126	5403	3445	0430	QZSS (Reserved)	TBD	Active Until 8/2025
196	4678	328	3804	241	5403	2542	3477	QZSS (Reserved)	TBD	Active Until 8/2025
197	5034	1	3672	1245	5403	1257	1676	QZSS (Reserved)	TBD	Active Until 8/2025
198	5085	4733	4205	1274	6501	211	1636	QZSS (Reserved)	TBD	Active Until 8/2025
199	3646	164	3348	1456	6501	534	2411	QZSS	TBD	Active Until

Changes shown in **bold**      System name (Satellite name)  
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	Weil Index ( <i>w</i> )	Index Insertion ( <i>p</i> )	Weil Index ( <i>w</i> )	Index Insertion ( <i>p</i> )	S1 Polynomial Coefficient (Octal) ( <i>mi, j</i> )	S1 Initial Condition (Octal)	S2 Initial Condition (Octal)			
								(Reserved)		8/2025
200	4868	135	4152	9967	6501	1420	1473	QZSS (Reserved)	TBD	Active Until 8/2025
201	3668	174	3883	235	6501	3401	2266	QZSS (Reserved)	TBD	Active Until 8/2025
202	4211	132	3473	512	6501	714	2104	QZSS (Reserved)	TBD	Active Until 8/2025
203	2883	538	3669	1078	6501	613	2070	Unallocated	---	---
204	2850	176	3455	1078	6501	2475	1766	Unallocated	---	---
205	2815	198	2318	953	6501	2572	0711	Unallocated	---	---
206	2542	595	2945	5647	6501	3265	2533	Unallocated	---	---
207	2492	574	2947	669	6501	1250	0353	Unallocated	---	---
208	2376	321	3220	1311	6501	1711	1744	Unallocated	---	---
209	2036	596	4052	5827	6501	2704	0053	Unallocated	---	---
210	1920	491	2953	15	6501	135	2222	Unallocated	---	---
<b>Abbreviations:</b>										
IMES – Indoor Messaging System					MSAS – MTSAT Space-Based Augmentation System					
PRN – Pseudorandom Noise					QZSS – Quazi-Zenith Satellite System					
TBD – To Be Determined										

<sup>i</sup> For further information see the latest edition of IS-GPS-800 at <http://www.gps.gov/technical/icwg/>.

<sup>ii</sup> For current PRN assignments and orbital information for GPS satellites please see the Navigation Center website at <http://www.navcen.uscg.gov/?Do=constellationStatus>.

<sup>iii</sup> This PRN number is designated for low-power terrestrial applications solely within Japan.

<sup>iv</sup> QZSS A1 => RAAN = 0, Argument of Perigee = 270, Mean Anomaly = 324, at Epoch 31Dec 07 00:00:00.