

L2C PRN CODE ASSIGNMENTS

PRN Code Number	Initial Shift Register State (Octal)		End Shift Register State (Octal)		PRN Allocations System (Satellite)	Orbital Slot	Effective Through (Month Year)
	L2 CM ⁱ	L2 CL ⁱⁱ	L2 CM ⁱ	L2 CL ⁱⁱ			

1 - 63	See IS-GPS-200 ⁱⁱⁱ	See IS-GPS-200 ⁱⁱⁱ	See IS-GPS-200 ⁱⁱⁱ	See IS-GPS-200 ⁱⁱⁱ	Reserved for GPS	See NAVCEN ^{iv}	See NAVCEN ^{iv}
64 - 119	See IS-GPS-200 ⁱⁱⁱ	See IS-GPS-200 ⁱⁱⁱ	See IS-GPS-200 ⁱⁱⁱ	See IS-GPS-200 ⁱⁱⁱ	Reserved for GBAS & other augmentation systems	N/A	N/A
120 - 158	See IS-GPS-200 ⁱⁱⁱ	See IS-GPS-200 ⁱⁱⁱ	See IS-GPS-200 ⁱⁱⁱ	See IS-GPS-200 ⁱⁱⁱ	Reserved for SBAS	N/A	N/A
159 - 210	See Below	See Below	See Below	See Below	Reserved for other GNSS & other applications	See Below	See Below

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

159	604055104	605253024	425373114	44547544	Unallocated	---	---
160	157065232	63314262	427153064	707116115	Unallocated	---	---
161	13305707	66073422	310366577	412264037	Unallocated	---	---
162	603552017	737276117	623710414	223755032	Unallocated	---	---
163	230461355	737243704	252761705	403114174	Unallocated	---	---
164	603653437	67557532	50174703	671505575	Unallocated	---	---
165	652346475	227354537	50301454	606261015	Unallocated	---	---
166	743107103	704765502	416652040	223023120	Unallocated	---	---
167	401521277	44746712	50301251	370035547	Unallocated	---	---
168	167335110	720535263	744136527	516101304	Unallocated	---	---
169	14013575	733541364	633772375	44115766	Unallocated	---	---
170	362051132	270060042	7131446	704125517	Unallocated	---	---
171	617753265	737176640	142007172	406332330	Unallocated	---	---
172	216363634	133776704	655543571	506446631	Unallocated	---	---
173	755561123	5645427	31272346	743702511	Unallocated	---	---
174	365304033	704321074	203260313	22623276	Unallocated	---	---
175	625025543	137740372	226613112	704221045	Unallocated	---	---
176	54420334	56375464	736560607	372577721	Unallocated	---	---

Changes shown in bold
Please refer to IS-GPS-200 for published values

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177	415473671	704374004	11741374	105175230	Unallocated	---	---
178	662364360	216320123	765056120	760701311	Unallocated	---	---
179	373446602	11322115	262725266	737141001	Unallocated	---	---
180	417564100	761050112	13051476	227627616	Unallocated	---	---
181	526452	725304036	144541215	245154134	Unallocated	---	---
182	226631300	721320336	534125243	40015760	Unallocated	---	---
183	113752074	443462103	250001521	2154472	Reserved	---	---
184	706134401	510466244	276000566	301767766	Reserved	---	---
185	41352546	745522652	447447071	226475246	Reserved	---	---
186	664630154	373417061	202044	733673015	Reserved	---	---
187	276524255	225526762	751430577	602507667	Unallocated	---	---
188	714720530	47614504	136741270	753362551	Unallocated	---	---
189	714051771	34730440	257252440	746265601	Reserved	---	---
190	44526647	453073141	757666513	36253206	Unallocated	---	---
191	207164322	533654510	606512137	202512772	Unallocated	---	---
192	262120161	377016461	734247645	701234023	Unallocated	---	---
193	204244652	235525312	415505547	722043377	QZSS (QZS-1)	A1 ^v	Aug 2025
194	202133131	507056307	705146647	240751052	QZSS (QZS-2)	---	Aug 2025
195	714351204	221720061	6215430	375674043	QZSS (QZS-4)	---	Aug 2025
196	657127260	520470122	371216176	166677056	QZSS (QZS-1R)	---	Aug 2025
197	130567507	603764120	645502771	123055362	Reserved (QZSS)	---	Aug 2025
198	670517677	145604016	455175106	707017665	QZSS (Test)	---	Aug 2025
199	607275514	51237167	127161032	437503241	QZSS (QZS-3)	---	Aug 2025
200	45413633	33326347	470332401	275605155	Reserved (QZSS)	---	Aug 2025
201	212645405	534627074	252026355	376333266	Reserved (QZSS)	---	Aug 2025
202	613700455	645230164	113771472	467523556	QZSS (Test)	---	Aug 2025
203	706202440	171400	754447142	144132537	Unallocated	---	---

Changes shown in **bold**
 Please refer to IS-GPS-200 for published values

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204	705056276	22715417	627405712	451024205	Unallocated	---	---
205	20373522	135471311	325721745	722446427	Unallocated	---	---
206	746013617	137422057	56714616	412376261	Unallocated	---	---
207	132720621	714426456	706035241	441570172	Unallocated	---	---
208	434015513	640724672	173076740	63217710	Unallocated	---	---
209	566721727	501254540	145721746	110320656	Unallocated	---	---
210	140633660	513322453	465052527	113765506	Unallocated	---	---

Definitions:

"Unallocated" – This PRN number has not been assigned to a system provider for any signal (L1 C/A, L1C, L2C, or L5)

"Reserved" – This PRN number has been assigned to a system provider for a different signal (L1 C/A, L1C or L5). Therefore the PRN number for this signal is unassigned but held in reserve.

"SYSTEM (Reserved)" – The system provider has been assigned the PRN for this signal, but the broadcasting satellite is not specified

Abbreviations:

ASAL – Algerian Space Agency

ASECNA – Agency for Aerial Navigation Safety in Africa and Madagascar

SPAN – Southern Positioning Augmentation Network (AUS-NZ)

BDSBAS – BeiDou Satellite-Based Augmentation System

EGNOS – European Geostationary Navigation Overlay Service

GAGAN – GPS-Aided Geo-Augmented Navigation

GBAS – Ground-Based Augmentation System

KASS – Korean Augmentation Satellite System

MSAS – Michibiki Satellite Augmentation System

NSAS – Nigerian Satellite Augmentation System

PRN – Pseudorandom Noise

QZSS – Quazi-Zenith Satellite System

SDCM – System of Differential Correction and Monitoring

WAAS – Wide Area Augmentation System

ⁱ Short cycled period = 10,230

ⁱⁱ Long cycled period = 767,250

ⁱⁱⁱ For further information see the latest edition of IS-GPS-200 at <http://www.gps.gov/technical/icwg/>.

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

^v QZSS A1: RAAN = 0, Argument of Perigee = 270, Mean Anomaly = 324, at Epoch 31Dec 07 00:00:00.