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
	L2 CM[i]	L2 CL[ii]	L2 CM[i]	L2 CL[ii]			(Month Year)
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)

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

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
	L2 CM[i]	L2 CL[ii]	L2 CM[i]	L2 CL[ii]			(Month Year)
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	Reserved	---	---
188	714720530	47614504	136741270	753362551	Reserved	---	---
189	714051771	34730440	257252440	746265601	Reserved	---	---
190	44526647	453073141	757666513	36253206	Reserved	---	---
191	207164322	533654510	606512137	202512772	Reserved	---	---
192	262120161	377016461	734247645	701234023	Reserved	---	---
193	204244652	235525312	415505547	722043377	QZSS (QZS1)	A1[v]	Aug 2025
194	202133131	507056307	705146647	240751052	Reserved (QZSS)	---	Aug 2025
195	714351204	221720061	6215430	375674043	Reserved (QZSS)	---	Aug 2025
196	657127260	520470122	371216176	166677056	Reserved (QZSS)	---	Aug 2025
197	130567507	603764120	645502771	123055362	Reserved (QZSS)	---	Aug 2025
198	670517677	145604016	455175106	707017665	Reserved (QZSS)	---	Aug 2025
199	607275514	51237167	127161032	437503241	Reserved (QZSS)	---	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	Reserved (QZSS)	---	Aug 2025
203	706202440	171400	754447142	144132537	Unallocated	---	---

Changes shown in **bold**

Please refer to IS-GPS-200 for published values

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]			
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
AUS-NZ – Geoscience Australia/New Zealand System
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 – MTSAT Space-Based 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.

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