

GPS Accuracy

Decimal Places	Eg	Distance	Notes
0	53	111 km	
1	53.7	11.1 km	
2	53.70	1.11 km	
3	53.707	111 m	
4	53.704	11.1 m	UCL
5	53.70740	1.11 m	DCO
6	53.707405	11.1 cm	

UCL: Uncorrected GPS limit, commercial GPS with no interference

DCO: Differential Correction only

Event Severity

Emergency	1	System is unusable
Alert	2	Action must be taken immediately
Critical	3	Application component unavailable, unexpected exception
Error	4	Conditions that do not require immediate action, but should be monitored
Warning	5	Exceptional occurrences that are not errors
Notice	6	Normal, but significant events
Info	7	Interesting events
Debug	8	Detailed debug information

LoRaWAN Data Rates

Data Rate	Config (SF / kHz)	Bits	Max Payload
DR0	12 / 125	250	59
DR1	11 / 125	440	59
DR2	10 / 125	980	59
DR3	9 / 125	1760	123
DR4	8 / 125	3125	230
DR5	7 / 125	5470	230
DR6	7 / 250	11000	230
DR7	FSK: 50kbps	50000	230

ISO 6709 - GeoLocation

Latitude	Y	53.70740
Longitude	X	-1.90748
GeoJson is (long, lat)		



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