

Two Line Element (TLE) Format

- TLE data for each satellite consists of three lines in the following format
- For more Two Line Element sets information, see Celestrak web site '<http://www.celestrak.com/NORAD/documentation/tle-fmt.asp>'.

GCOM-W1 (SHIZUKU)															
(a)															
1	38337	U	12	025	A	12	194.00000000	.00000000	00000-0	17700-3	0	00659			
(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)		
2	38337	98.1978		133.0858		0001777		101.6799		154.6424		14.57141916		8061	
(p)	(q)	(r)	(s)	(t)	(u)	(v)	(w)	(x)	(y)						

(a) Twenty-four character name

(b) Line Number of Element Data

(c) Satellite Number

(d) Classification (U=Unclassified)

(e) International Designator (Last two digits of launch year)

(f) International Designator (Launch number of the year)

(g) International Designator (Piece of the launch)

(h) Epoch Year (Last two digits of year)

(i) Epoch (Day of the year and fractional portion of the day)

(j) First Time Derivative of the Mean Motion

(k) Second Time Derivative of Mean Motion (decimal point assumed)

(l) BSTAR drag term (decimal point assumed)

(m) Ephemeris type

(n) Element number

(o) Checksum

(p) Line Number of Element Data

(q) Satellite Number

(r) Inclination [Degrees]

(s) Right Ascension of the Ascending Node [Degrees]

(t) Eccentricity (decimal point assumed)

(u) Argument of Perigee [Degrees]

(v) Mean Anomaly [Degrees]

(w) Mean Motion [Revs per day]

TLE File Name Definition

TLE file name definition : **TLEN_XX** or **TLEO_XX(*)**

TLEN : Primary plan which consider the orbital maneuver (Nominal case)

TLEO : Orbital maneuver is not consider (Off-nominal case)

XX = file number

(*)Normally, please use C1TLEN because C1TLEO does not consider the orbital maneuver for orbit calculation.