
Satellite Name: SPACE STATION

TLE:

1 25544U 98067A 19069.44518519 .00000755 00000-0 19456-4 0 9998
2 25544 51.6421 132.1463 0004047 92.8304 100.1294 15.52797533159911

| | |
|---|----------------------------------|
| Satellite number | = 25544 |
| International Designator | = YR: 98, LAUNCH #67, PIECE: A |
| Epoch Date | = 2019-03-10 10:41:04.000416 UTC |
| | YR:19 |
| | DAY:69.44518519 |
| First Time Derivative of the Mean Motion divided by two | = 7.55e-06 |
| Second Time Derivative of Mean Motion divided by six | = 00000-0 |
| BSTAR drag term | = 19456-4 |
| The number 0 | = 0.0 |
| Element number | = 999.0 |

| | |
|---|--------------------------|
| Inclination [Degrees] | = 51.6421 |
| Right Ascension of the Ascending Node [Degrees] | = 132.1463 |
| Eccentricity | = 0.00040469999999999997 |
| Argument of Perigee [Degrees] | = 92.8304 |
| Mean Motion [Revs per day] Motion | = 15.52797533 |
| Period | = 1:32:44.151035 |
| Revolution number at epoch [Revs] | = 15991.0 |

semi_major_axis = 6786.699495370766
eccentricity = 0.00040469999999999997
inclination = 51.6421
arg_perigee = 92.8304
right_ascension = 132.1463

Time offset: 10:37:01.838253
Radians per second: 0.0011292262319873043
Offset to apply: 43.1611023900634

EarthSatellite number=25544 epoch=2019-03-10T10:41:04Z
0.06738245999440551 days away from epoch
Geocentric Position (km): [5474.56698688 -3000.54798186 -2673.02853899]
Latitude: -23deg 13' 01.2"
Longitude: -20deg 52' 22.0"
Elevation (m): 416280

Plotting
2458552.945985931
(3, 300)
centers are: [0.0, 0.0, 0.0]
hw is: 7015.8

