

BUILD SCENARIO for the TAPESTRY SYSTEM [1403.00] --- C:\TAPESTRY\RUNS\SUBFRAME4TEST

FILE MULTIPLE RF OUTPUTS IMPORT DATA OUTPUT POWER HELP

SUBFRAME4TEST

Routes & Waypoints

GROUND TRACK [VEHICLE I]

select SUBFRAME 45

GPS Space (SS) and Control (CS) Segments

GPS-TELEMETRY DATA EDITOR

- IMPORT GPS-TELEMETRY DATA
- SLANT RANGE MODELS
- MULTIPATH GENERATION
- RAIM EVENT GENERATION
- GPS [SVID] POWER PATTERNS

Satellite Telemetry Data Setup and Configuration Editor

DISPLAYED SVID

LEGACY SUBFRAMES 1,2,3 **LEGACY SUBFRAMES 4,5** **L2C & L5 DATA / MESSAGING** **MNAV DATA / MESSAGING**

SUBFRAME 4/5 DATA SET

	1	2	3	Make Another DATASET	
Almanac Reference Week Wn _a	1698				
Almanac Reference Time To _a	299008	sec			
Time of Transmission Tot	1.000000	sec	UTC Delta Time due to Leap Seconds ATls	15	sec
Mean Anomaly Mo	-8.31805421200e-01	sec	UTC Reference Time for Data T _{ref}	0	sec
Eccentricity e	9.0355731079e-03		UTC Reference Week Wn _r	1698	
Square root Semi Major Axis RA	5.15359472656e+03		UTC Leap Second Effectivity Week WN _{lsf}	1698	
Long of Ascending Node at Ref Time Q _o	-7.04061746597e-01	sec	UTC Leap Second Effectivity Day DN	1	
Inclination Angle Correction δ _i	1.52587890625e-04	sec	UTC Past Delta Time Leap Seconds ΔT _{lsf}	15	sec
Argument of Perigee ω	8.8319349289e-01	sec	Iono Model Parameter α ₀	1.30385160446e-08	sec
Rate of Right Ascension *	2.5029341928e-09	sec/sec	Iono Model Parameter α ₁	-7.45058059692e-09	sec/sec ²
Clock Model ^a Io	1.53541564941e-04	sec	Iono Model Parameter α ₂	0.0000000000e+00	sec/sec ³
Clock Model ^a II	0.0000000000e+00	sec/sec	Iono Model Parameter α ₃	0.0000000000e+00	sec/sec ³
NAV Health	All Data OK		Iono Model Parameter β ₀	116736.00000	sec
Signal Health	All signals OK		Iono Model Parameter β ₁	81920.00000	sec/sec
AS Configuration	Anti Spoof Off	ALL	Iono Model Parameter β ₂	0.00000	sec/sec ²
Sv Configuration	Block IIIA/IIR	ALL	Iono Model Parameter β ₃	0.00000	sec/sec ³

MSG 4.55.17 NAVLABS

Align Almanac to 3.5 Days Into Week [TOA]
Synchronize Data Sets to Simulation Start Time
Auto Create Telemetry every Hour

SHOW ELEVATION PROFILE
SHOW DATASET PROFILE

LEGACY TLM WORD
AIS BIT
ALERT [2bits]
Reserved

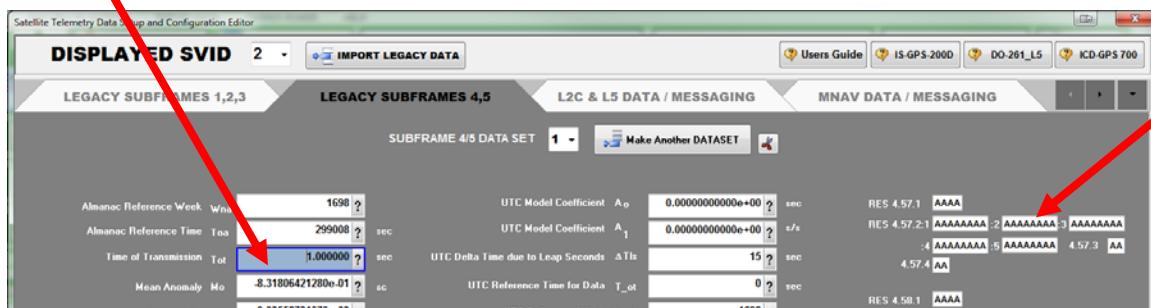
GPS RANGE MODELS

CANCEL APPLY



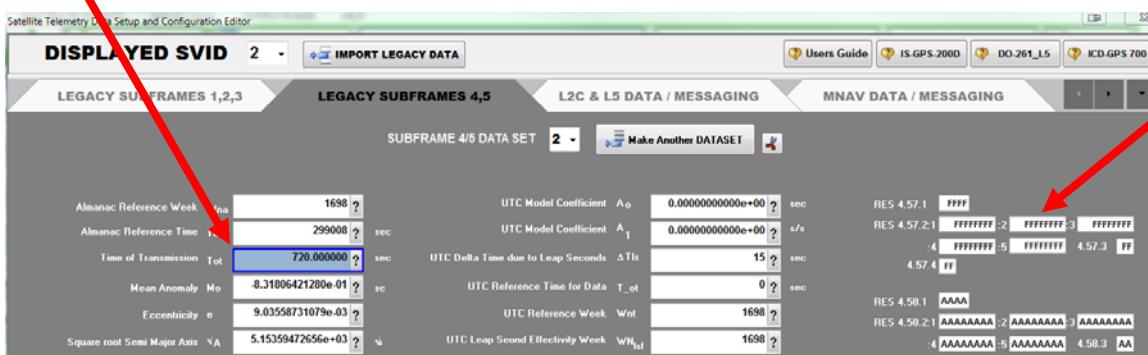
Use this button to create more SUBFRAME 45 DATA (CUT-IN)
I used 1 second as my start time, So I added a DataSet at 720 seconds and another at 1440 seconds. for a total of 3 data sets / cut-in

This is the TIME the simulator will begin Transmitting the DATA SET.
TIME OF TRANSMISSION



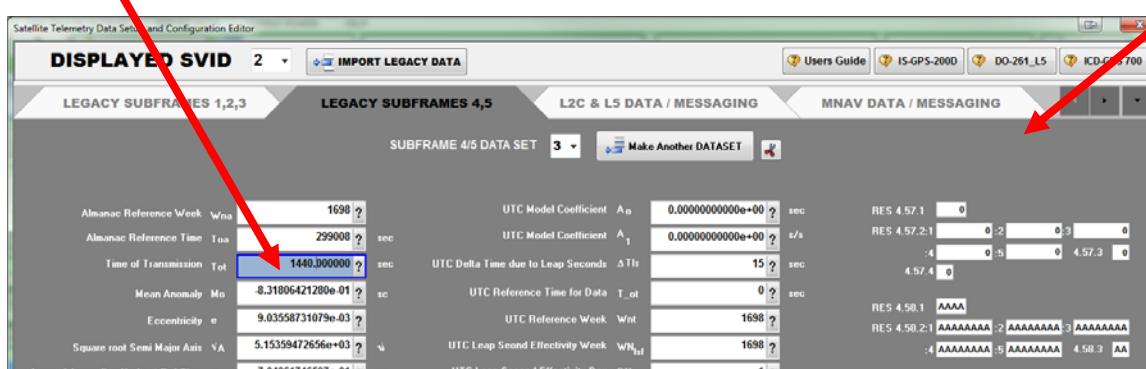
DATA SET 1 = "A"

output 12 minutes after start time



DATA SET 2 = "F"

output 24 minutes after start time



DATA SET 3 = "0"