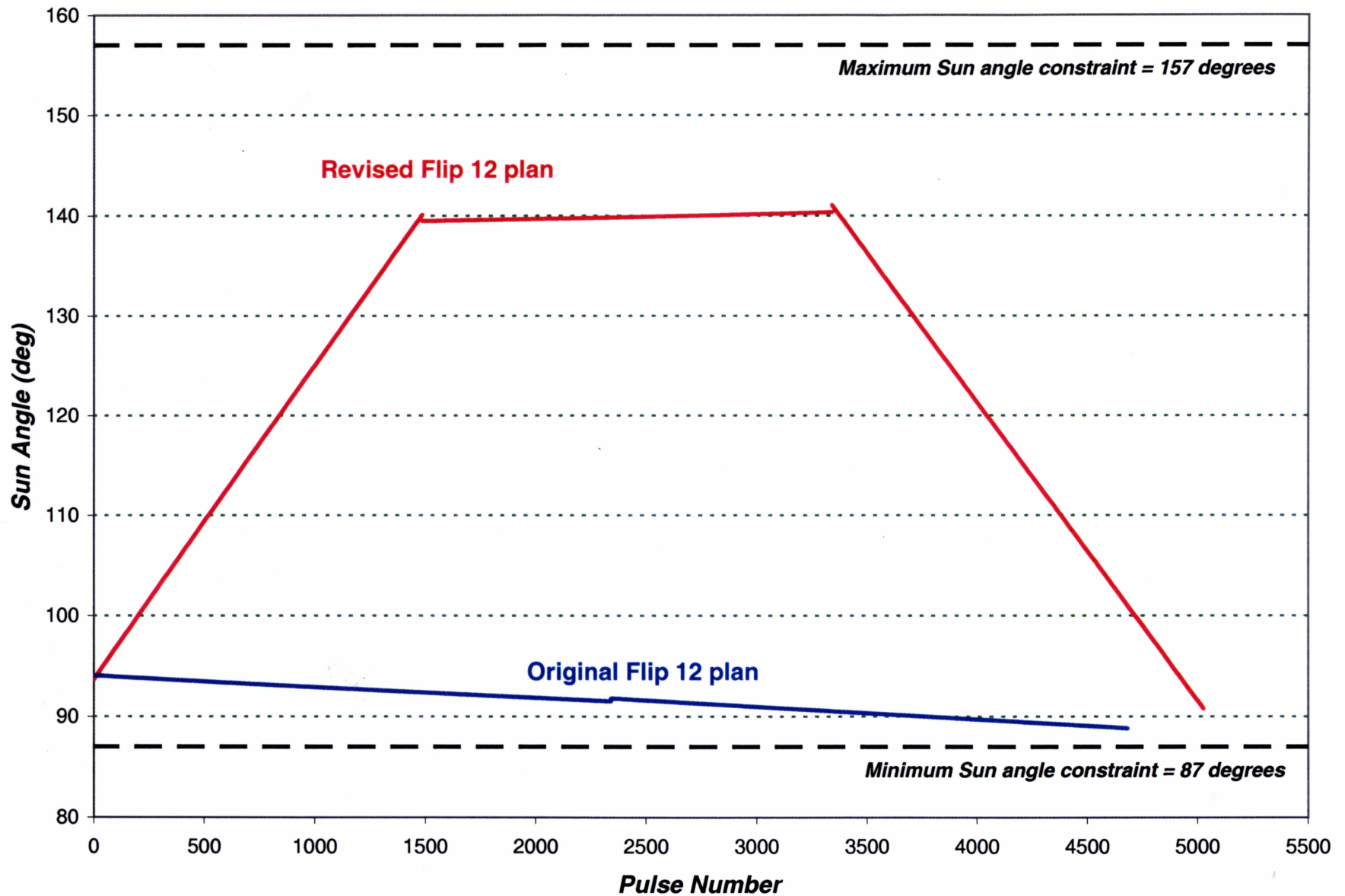


Summary of Polar Revised 3-segment Flip 12 Manuever

Segment 1	
Start Time	922/01 05:00:00
End Time	9/22/01 07:28:52
Number of Pulses	1486
Fuel Used	4.489 lb
Final attitude:	
RA	322.82 deg
DEC	-17.51 deg
Perigee Change	36.67 km
Apogee Change	-27.21 km
Segment 2	
Start Time	9/22/01 23:00:00
End Time	9/23/01 02:05:52
Number of Pulses	1856
Fuel Used	5.568 lb
Final attitude:	
RA	29.84 deg
DEC	-27.50 deg
Perigee Change	38.58 km
Apogee Change	-36.33 km
Segment 3	
Start Time	9/25/01 08:00:00
End Time	9/25/01 10:48:28
Number of Pulses	1683
Fuel Used	5.012 lb
Final attitude:	
RA	91.30 deg
DEC	-7.57 deg
Perigee Change	26.24 km
Apogee Change	-68.44 km
Totals	
Number of Pulses	5025
Fuel Used	15.069 lb
Perigee Change	101.49 km
Apogee Change	-131.98 km

Comparison of Sun Angles During Flip 12 Using Old and New Planning Strategies



Comparison of Spin Axis Paths During Flip 12 Using Old and New Planning Strategies

