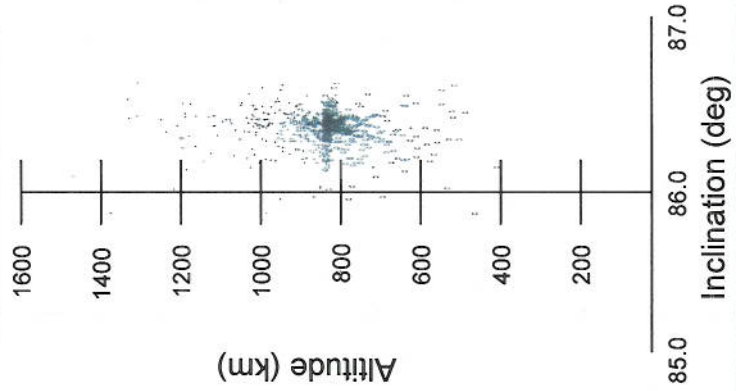
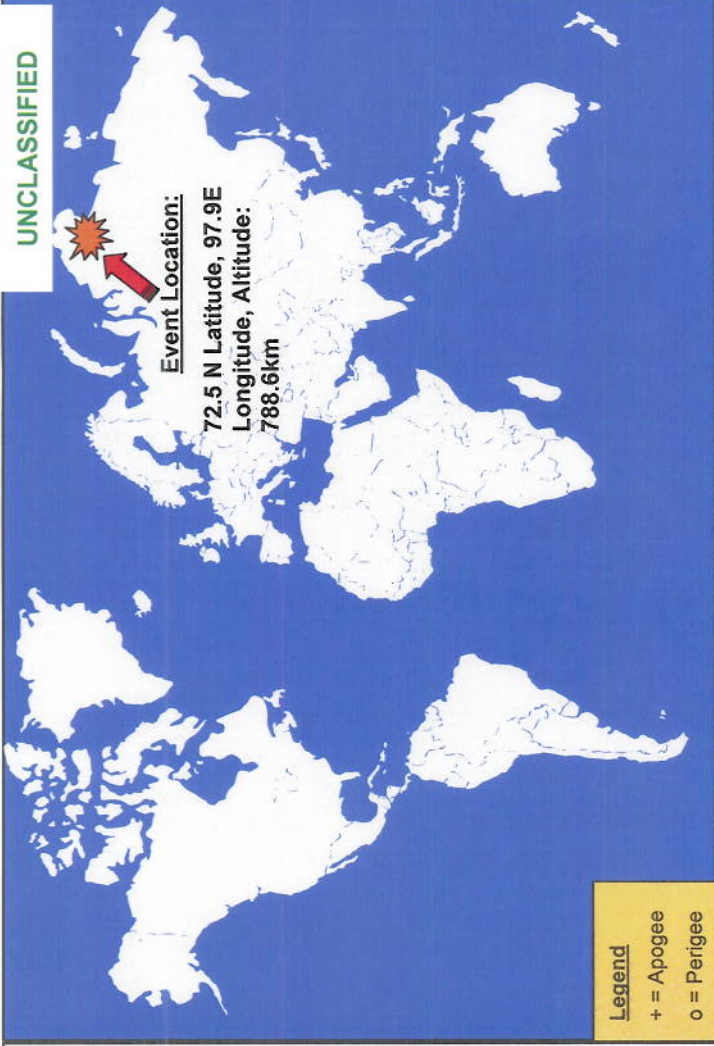


Preliminary ELSET Debris Distribution

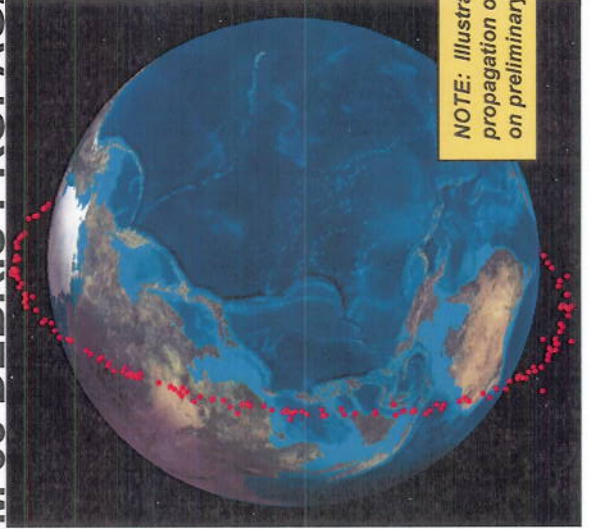


Debris Summary

RCS Range	N/A
Max Apogee	1501 km
Min Perigee	399 km
Inclination Range	85.5° - 86.6°
Period (Range)	95 - 108 min



IRIDIUM 33 DEBRIS PROPAGATION



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CATALOG UPDATE

Preliminary ELSETs
121 as of 22/1230z Jun 09

Cataloged Objects
349 as of 22/1230z Jun 09

Notes

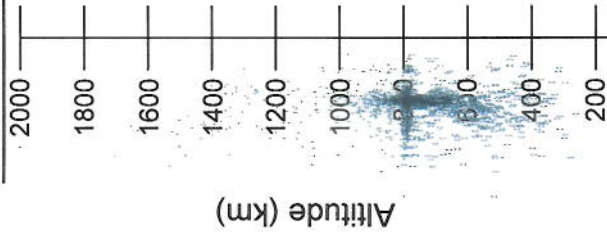
PREDICTION ASSESSMENTS
Predicted Reentries within 24 hrs
0

Iridium Constellation Conjunctions
6

Planned maneuvers
None

ADDITIONAL INFORMATION
None at this time

Preliminary ELSET Debris Distribution



73.0 75.0 77.0
Inclination (deg)

Debris Summary

RCS Range	N/A
Max Apogee	1707 km
Min Perigee	246 km
Inclination	73.6° - 74.3°
Period	91 - 110 min

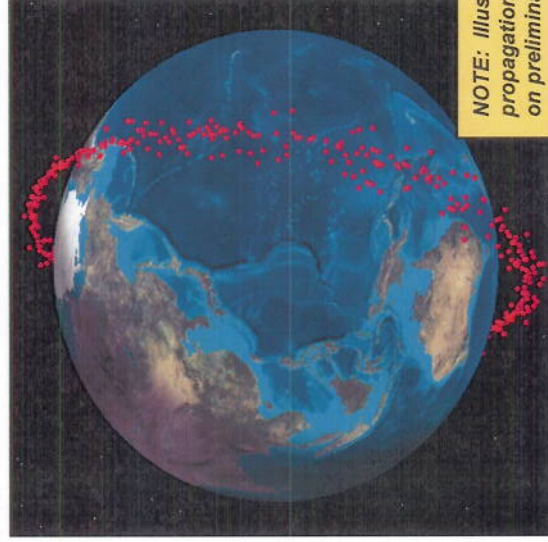
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Legend

+ = Apogee
o = Perigee

COSMOS 2251 DEBRIS PROPAGATION



NOTE: Illustration depicts propagation of debris field based on preliminary ELSET information.

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CAO: 22/1230z Jun 09

CATALOG UPDATE

Preliminary ELSETs

229 as of 22/1230z Jun 09

Cataloged Objects

809 as of 22/1230z Jun 09

Notes

PREDICTION ASSESSMENTS

Predicted Reentries within 24 hrs

0

Conjunctions

0

Planned Maneuvers

N/A

ADDITIONAL INFORMATION

None at this time