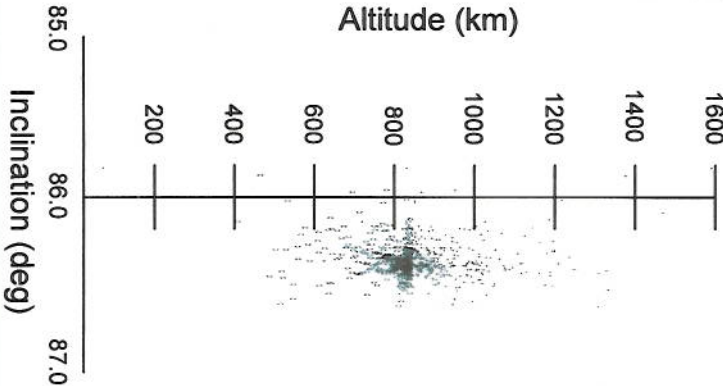


Preliminary ELSET

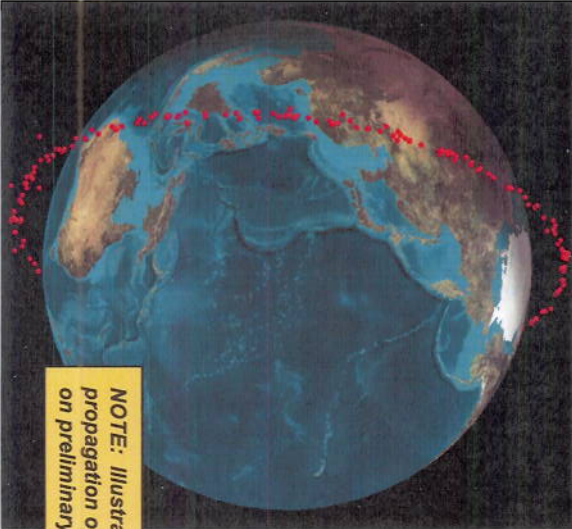
Debris Distribution



| Debris Summary | |
|-------------------|---------------|
| RCS Range | N/A |
| Max Apogee | 1485 km |
| Min Perigee | 389 km |
| Inclination Range | 85.6° - 86.6° |
| Period (Range) | 95 - 108 min |



IRIDIUM 33 DEBRIS PROPAGATION



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

CATALOG UPDATE

Preliminary ELSETs

122 as of 23/1230z Jul 09

Cataloged Objects

382 as of 23/1230z Jul 09

Notes

PREDICTION ASSESSMENTS

Predicted Reentries within 24 hrs
0

Iridium Constellation Conjunctions
9

Planned maneuvers
None

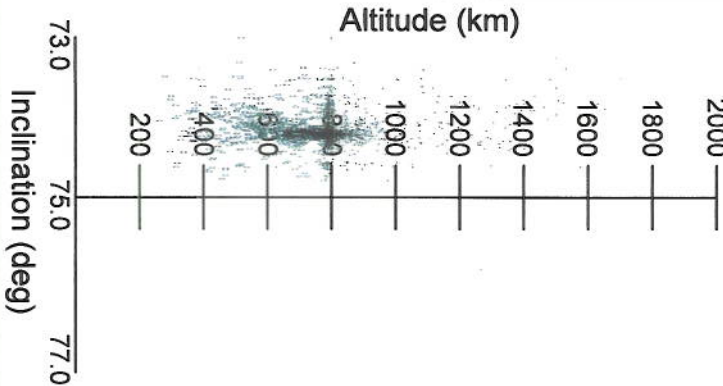
ADDITIONAL INFORMATION

None at this time

UNCLASSIFIED

CAO: 23/1230z Jul 09

Preliminary ELSET
Debris Distribution

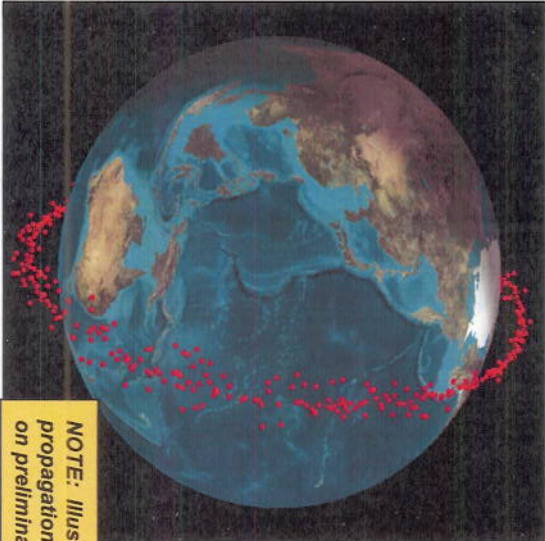


Debris Summary

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



COSMOS 2251 DEBRIS PROPAGATION



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

UNCLASSIFIED

CAO: 23/1230z Jul 09

CATALOG
UPDATE

Preliminary ELSETS

289 as of 23/1230z Jul 09

Cataloged Objects

893 as of 23/1230z Jul 09

Notes

PREDICTION

ASSESSMENTS

Predicted Reentries within 24 hrs

0

Conjunctions

0

Planned Maneuvers

N/A

ADDITIONAL
INFORMATION

None at this time