

Number of Tracked

Source: Jonathan's Space

Objects in Orbit,

1957-2024

Report

Moon's light-colored plains.

Source: Science News **■ 1963-014.txt** — Locked **1968-081.txt** — Locked 25055.50578971 .00000033 00000+0 14286 🛑 🛑 🛑 25055.50578971 .00000033 00000+0 14280 241.0692 0031149 231.6562 128.1491 8.6527 1 300000 08081J 25056.87901500 -.00000310 00000+0 00000+0 0 9999 25056.43722483 .00000031 00000+0 12867 TITAN 3C TRANSTAGE DEB 235.7997 0110391 113.1086 248.1447 8.6563 1 33509U 68081K 25054.15531159 -.00000182 00000+0 00000+0 0 9999 2 33509 0.9795 27.3027 0047484 12.3895 89.8195 1.02087417 74863 WESTFORD NEEDLES 1 00602U 63014E 25055.47944057 .00000031 00000+0 12857 TITAN 3C TRANSTAGE DEB
2 00602 87.3278 235.0008 0034750 157.0020 203.2399 8.6723 1 33510U 68081L 25056.58830387 .00000061 00000+0 00000+0 0 9990 ERS 6
1 00608U 63014C 25056.46381431 -.00000007 0000+0 -45132
2 00608 87.3161 238.5683 0058828 135.0747 225.4888 8.6528
WESTFORD NEEDLES
1 00628U 63014F 25056.46366082 .00000003 0000+0 00000+0 00000+0 200028 87.3061 248.4401 0020063 212.2585 147.7042 8.6337

WESTFORD NEEDLES
1 02364U 63014P 25056.49288052 .00000145 00000+0 52464
2 02364 87.5743 324.0693 0656813 176.2296 184.3855 8.6744
WESTFORD NEEDLES
1 02365U 63014Q 25053.62312605 .00001122 00000+0 49645 202365 87.3179 144.4994 0250907 48.5314 313.6798 8.66754 88.6754 102367U 63014S 25056.31467287 .00000003 00000+0 00000+0 00000+0 102367U 63014S 25056.31467287 .00000003 00000+0 00000+0 102367U 63014S 25056.31467287 .00000003 00000+0 00000+0 102375U 63014W 25056.44447978 .00001776 00000+0 102375U 63014W 2505

WESTFORD NEEDLES 1 02378U 63014Y 25055.84654945 .00000026 00000+0 10682-1 0 9991 2 02378 87.3691 203.2616 0044770 264.5227 95.0521 8.66574293954398 WESTFORD NEEDLES

1 02380U 63014AA 25053.18387659 .00000630 00000+0 26224+0 0 9992 2 02380 87.2381 126.1622 0415269 313.0945 43.5857 8.68065198349410 WESTFORD NEEDLES

000+0 -33785+0 0 9998 7966 8.67473899349684

0 10059-2 0 9990 14.42385485841647 .87040743 .00005277 00000+0 16598-2 0 9999 413 0014249 49.1182 78.2523 14.40244683839765

6.84061395 .00002592 00000+0 85773-3 0 9992 376 0016091 72.6608 56.6464 14.37549125839250

889 0010186 161.5372 198.6206 14.52887985843288

> Real-time debris TLE data.

> > Source: Celestrak

0 30967-3 0 9994 14.34780536436749

Distribution of space debris in orbit.

Source: ESA

OPS 6679 (VELA 8) 1957 2030?? 2005 2018 POLESTO VISUSTELTO EUUS

> ATLAS CENTAUR 2 1 00694U 63047A 25056.48372271 .00003433 00000+0 41615-3 0 9993 2 00694 30.3546 140.5015 0555473 0.9534 359.2025 14.10121394 78308 THOR AGENA D R/B 1 00733U 64002A 25056.56848148

.00000770 00000+0 29335-3 0 9995 2 00733 99.1071 44.6577 0032011 276.7077 83.0463 14.33705763184251 1 00877U 64053B 25056.56590160

51288967

8-3 0 9996

2 0063351

4741 34527

56335987

9992 7894

33409

72-3 0 9993 3 0047645 active.txt — Locke 0760211699

3C 25056.52262792 .00001447 0-2 0 9994 074 60.8810 0023529 297.7898 5841704 5859

00000+0 00000+0 0 9998 59.8627 0.51051219 4459

3E 25056.82258054 .00000119 5-3 0 9992 211 64.6678 0018974 164.4438 848806792311

4C 25056.45507257 .00000009

2 33758 74.0294 41.1244 0018408 191.9 2 01361 32.1370 228.9592 0011201 233.1940 5056.38221595 .0018: TEMPSAT 1 4.9895 0009757 28.8 1 01512U 65065E 25056.19329457 .00000079

00000+0 13809-3 0 9998 5056.82371716 .0000 2 01512 89.9688 213.1835 0070741 146.9521 3.4376 0021911 265.9 26.4277 13.33555552896478

CALSPHERE 4A 5056.46371082 .0000 1 01520U 65065H 25056.53799479 .00000178 0.2572 0024755 229.4 00000+0 32523-3 0 9994

2 01520 89.9303 126.5372

5056.57020440 .0000 95.3453 13.36169030899465 0.4781 0016461 258.3 0PS 5712 (P/L 160) 1 02826U 67053A 25056.57 00000+0 28700-2 0 9999 2 02826 69.9209 117.9060 42.3685 14.67818955996530

Space debris remaining in the orbit for centuries.

Source: Jagran Josh

mber of Tracked Objects in Orbit, 1957-2024 collided with the U.S. Iridium 33 satellite, Active Starlinks Dead payloads Collision debris Other debris 1980 1990 2000 2010