

Some fun facts

Gee Whiz Cool Facts

- How many orbits, sequences, and commands?
~29 orbits (Rev 47-Rev 76); ~10 sequences (S31-S41); ~350,000 commands
- Which instrument has returned the most data from the S/C in the last year? Which instrument the least?

Inst	1 st Year	2 nd Year	3 rd Year	4 th Year
RPWS	131.74	140.69	156.67	159.19
ISS	77.57	82.70	87.13	108.78
CAPS	78.09	85.65	94.12	73.47
CIRS	22.42	27.66	37.48	58.64
VIMS	14.41	24.69	34.75	46.28
MIMI	25.11	32.05	32.97	36.77
MAG	35.79	38.43	38.03	33.97
UVIS	21.65	19.50	25.21	26.86
CDA	5.24	10.54	9.05	12.98
RADAR	5.85	6.34	17.31	8.16
INMS	2.61	2.40	8.00	2.48
TOTAL	420.48	470.65	540.74	567.57
(RSS – DSN)	220	277	364	408)

Gee Whiz Cool Facts (cont)

- How many Orbit Trim Maneuvers (OTMs)

Planned=29, Executed=17, Cancelled=10, Deleted=2

- How many miles has Cassini traveled? What is our miles per gallon rating?

First Year: 100 million km (63 million miles)

Second Year: 117 million km (73 million miles)

Third Year: 143 million km (89 million miles)

Fourth Year: 146 million km (90 million miles)

First Year :879.0 kg of NTO, 528.9 kg of MMH, and 7.6 kg of N₂H₄ [325 gallons]

Second Year: 47.1 kg of NTO, 28.3 kg of MMH, and 7.5 kg of N₂H₄ [19 gallons]

Third Year: 48.2 kg of NTO, 29.5 kg of MMH, and 10.9 kg of N₂H₄ [21 gallons]

Fourth Year: 61.3 kg of NTO, 37.6 kg of MMH, and 9.1 kg of N₂H₄ [25 gallons]

First Year: Miles/gallon=194,000 miles/gallon (includes SOI)

Second Year: Miles/gallon= 3.7 million miles/gallon

Third Year: Miles/gallon= 3.5 million miles/gallon

Fourth Year: Miles/gallon= 2.9 million miles/gallon

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Cassini Status

Next Encounter:
Enceladus Flyby
1,000 km (622 miles)
July 14, 2005

Countdown:

84	23	6	17
DAYS	HRS	MIN	SEC

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