5-Minute Science Gaps

This collection begins on January 1, 2004 and runs until September 15, 2017 (EOM).

It is based on the 5-minute gap reports that were regularly reported by the Cassini project throughout the course of the mission and is a combination of all gaps in science data (total science black-out) that were 5 minutes in length or greater. It does not include gaps in instrument housekeeping.

The Station IDs are as follows:

DSN Goldstone Station IDs are DSS-14 - 70M, DSS-15 - 34M HEF (this has since been decommissioned), DSS-24 - 34M BWG, DSS-25 - 34M BWG. DSS-26 - 34M BWG ìEnhancedî (this was “upgraded", allowing higher rates on this station).

DSN Canberra Station IDs are DSS-34 - 34M BWG, DSS-35 - 34M BWG, DSS-36 - 34M BWG, DSS-43 - 70M, DSS-45 - 34M HEF (this has since been decommissioned).

DSN Madrid Station IDs are DSS-54 - 34M BWG, DSS-55 - 34M BWG, DSS-63 - 70M,

DSS-65 - 34M HEF

For more information regarding radio bands for each station at <https://rapweb.jpl.nasa.gov/Planning/TMODPlns.pdf>.