

II. Deep Impact MRI data review

Raw MRI Visible CCD calibration

2005-014 – Checkout

6 fits files and label files (dark frames)
range as indicated by dataset.cat (1000000 – 1000005)

2005-015 – Checkout

22 fits files and label files
range as indicated by dataset.cat (1000006 – 1010215)

2005-016 – Moon/Earth Science Cal

52 fits files and label files
range as indicated by dataset.cat (1100000 - 1100051)

2005-025 – MRI Stray Light/MRI Turn-off Anomaly

10 fits files and label files
range as indicated by dataset.cat (1200000 - 1200009)

2005-026 – MRI Stray Light/MRI Turn-off Anomaly

1 fits file and label file
range as indicated by dataset.cat (1200000 - 1200000)

2005-028 – MRI Stray Light Test

23 fits files and label files
range as indicated by dataset.cat (1200000 - 1200022)

2005-029 – MRI Stray Light Test

77 fits files and label files
range as indicated by dataset.cat (1200023 - 1200092)

2005-030 – Lunar Science Cal

17 fits files and label files
range as indicated by dataset.cat (1500000 - 1500016)

striping on several frames on the right half of the array.

2005-035 – Lunar Science Cal rerun

17 fits files and label files

range as indicated by dataset.cat (1500000 - 1500016)

striping on 3 frames on the right half of the array.

2005-037 – Flyby Automav Test

23 fits files and label files

range as indicated by dataset.cat (1200000 - 1300015)

2005-046– MRI Focus Test

1 fits file and label file

range as indicated by dataset.cat (1700000 - 1700000)

2005-052 – MRI Focus Test

1 fits file and label file

range as indicated by dataset.cat (1700000 - 1700000)

2005-062 – MRI Stray Light / Geometry

3 fits files and label files

range as indicated by dataset.cat (2100040 - 2100048)

2005-083 – Encounter Validation Test

12 fits files and label files

range as indicated by dataset.cat (9000878 - 9001043)

2005-095 – April Science Cal

66 fits files and label files

range as indicated by dataset.cat (2000000 - 2010025)

These files are not available to browse.

2005-096 – April Science Cal

58 fits files and label files

range indicated by dataset.cat (2020000 - 2030029) not the same as the actual range of (2020000 - 2030026).

2005-097 – April Science Cal

48 fits files and label files

range as indicated by dataset.cat (2040000 - 2040047)

2005-098 – April Science Cal

115 fits files and label files

range as indicated by dataset.cat (2050000 - 2070020)

2005-117 – MRI Stray Light Test

10 fits files and label files

range as indicated by dataset.cat (1800000 - 1800009)

Raw MRI Data

2005-121 – Daily Comet Imaging

8 fits files and label files

range indicated by dataset.cat (5000100 - 5000111) is not the same as the data range of (5000104 - 5000111)

2005-127 – Daily Comet Imaging

16 fits files and label files

range as indicated by dataset.cat (5000704 - 5000723)

2005-128 – Daily Comet Imaging

24 fits files and label files

range as indicated by dataset.cat (5000804 - 5000847)

2005-130 – May Science Cal

307 fits files and label files

range as indicated by dataset.cat (5100000 - 5300023)

2005-131 – May Science Cal

200 fits files and label files

range as indicated by dataset.cat (5400000 - 5600000)

2005-132 – May Science Cal

113 fits files and label files
range as indicated by dataset.cat (5700000 - 5800009)

2005-135 – Daily Comet Imaging

40 fits files and label files
range indicated by dataset.cat (5001500 - 5001599) not the same as the actual range of (5001504 - 5001599)

2005-136 – Daily Comet Imaging

16 fits files and label files
range different from dataset.cat actual = (5001604 - 5001671); dataset.cat = (5001600 - 5001699).

2005-137 – Daily Comet Imaging

48 fits files and label files
range different from dataset.cat actual = (5001704 - 5001771); dataset.cat = (5001700 - 5001799).

2005-138 – Daily Comet Imaging

24 fits files and label files
range different from dataset.cat actual = (5001804 - 5001871); dataset.cat = (5001800 - 5001899).

2005-139 – Daily Comet Imaging

48 fits files and label files
range different from dataset.cat actual = (5001904 - 5001971); dataset.cat = (5001900 - 5001999).

2005-145 – Daily Comet Imaging

48 fits files and label files
range different from dataset.cat actual = (5002504 - 5002571); dataset.cat = (5002500 - 5002599).

2005-146 – Daily Comet Imaging

40 fits files and label files
range different from dataset.cat actual = (5002604 - 5002659); dataset.cat = (5002600 - 5002699).

2005-147 – Daily Comet Imaging (*listed as 148 in dataset.cat; 148 listed twice*)

40 fits files and label files

range different from dataset.cat actual = (5002700 - 5002759); dataset.cat = (5002700 - 5002799).

2005-148 – VIS LUT Upload Test

57 fits files and label files

range different from dataset.cat actual = (5002800 - 5913008); dataset.cat = (5002800 - 5002899).

2005-149 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (5002900 - 5002971); dataset.cat = (5002900 - 5002999).

2005-150 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (5003000 - 5003071); dataset.cat = (5003000 - 5003099).

2005-151 – Daily Comet Imaging

16 fits files and label files

range different from dataset.cat actual = (5003100 - 5003123); dataset.cat = (5003100 - 5003199).

2005-154 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6000300 - 6000371); dataset.cat = (6000300 - 6000399).

2005-155 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6000400 - 6000471); dataset.cat = (6000400 - 6000499).

2005-156 – Daily Comet Imaging

16 fits files and label files

range different from dataset.cat actual = (6000500 - 6000523); dataset.cat = (6000500 - 6000599).

2005-158 – June Science Cal

81 fits files and label files

range as indicated by dataset.cat (6100000 - 6100010).

2005-159 – June Science Cal

181 fits files and label files

range as indicated by dataset.cat (6400000 - 6500025).

2005-160 – June Science Cal

18 fits files and label files

range as indicated by dataset.cat (6500026 - 6500037).

2005-161 – June Science Cal

129 fits files and label files

range different from dataset.cat actual = (6700000 - 6001035); dataset.cat = (6700000 - 6001099).

2005-162 – Daily Comet Imaging

32 fits files and label files

range different from dataset.cat actual = (6001100 - 6001147); dataset.cat = (6001100 - 6001199).

2005-163 – Daily Comet Imaging

16 fits files and label files

range different from dataset.cat actual = (6001200 - 6001223); dataset.cat = (6001200 - 6001299).

2005-164 – Daily Comet Imaging

40 fits files and label files

range different from dataset.cat actual = (6001300 - 6001359); dataset.cat = (6001300 - 6001399).

2005-165 – Daily Comet Imaging & Pre-Impact Science Mini-Cal Test

52 fits files and label files

range as indicated by dataset.cat for Pre-Impact Science mini-cal (8700000-8800050).

range different for comet imaging from dataset.cat actual = (6001400 - 6001447);

dataset.cat = (6001400 - 6001499).

2005-166 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6001500 - 6001571); dataset.cat =

(6001500 - 6001599).

2005-167 – Daily Comet Imaging

24 fits files and label files

range different from dataset.cat actual = (6001600 - 6001635); dataset.cat =

(6001600 - 6001699).

2005-168 – Daily Comet Imaging

40 fits files and label files

range different from dataset.cat actual = (6001700 - 6001759); dataset.cat =

(6001700 - 6001799).

2005-169 – Daily Comet Imaging

32 fits files and label files

range different from dataset.cat actual = (6001800 - 6001847); dataset.cat =

(6001800 - 6001899).

2005-170 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6001900 - 6001971); dataset.cat =

(6001900 - 6001999).

2005-171 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6002000 - 6002071); dataset.cat =

(6002000 - 6002099).

2005-172 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6002100 - 6002171); dataset.cat = (6002100 - 6002199).

2005-173 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6002200 - 6002271); dataset.cat = (6002200 - 6002299).

2005-174 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6002300 - 6002371); dataset.cat = (6002300 - 6002399).

2005-175 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6002400 - 6002471); dataset.cat = (6002400 - 6002499).

2005-176 – Daily Comet Imaging

40 fits files and label files

range different from dataset.cat actual = (6002500 - 6002559); dataset.cat = (6002500 - 6002599).

2005-177 – Daily Comet Imaging

32 fits files and label files

range different from dataset.cat actual = (6002600 - 6002647); dataset.cat = (6002600 - 6002699).

2005-178 – Daily Comet Imaging

45 fits files and label files

range different from dataset.cat actual = (8000003 - 8000143); dataset.cat = (8000000 - 8000143).

2005-179 – Daily Comet Imaging

54 fits files and label files

range as indicated by dataset.cat (8000168 - 8100140)

2005-180 – Daily Comet Imaging

54 fits files and label files

range as indicated by dataset.cat (8100165 - 8300011)

2005-181 – Daily Comet Imaging

54 fits files and label files

range as indicated by dataset.cat (8400042 - 8400482)

2005-182 – Daily Comet Imaging

99 fits files and label files

range as indicated by dataset.cat (8400561 - 8500437)

2005-183 – Daily Comet Imaging & Pre-Impact Science Mini-Cal

136 fits files and label files

range as indicated by dataset.cat (8500477 - 8600167) & (8700000-8800179)

2005-184 – Continuous Comet Imaging & Pre-Impact Stim and Dark Cal & Continuous Comet Imaging

178 fits files and label files

range as indicated by dataset.cat (9000003 - 9000246) & (9000250-9000263) & (9000264-9000908) – *this is different from real comet data (9000264-9000340)*

Problems (striping) with some images

2005-185 – Impact Imaging & Lookback Imaging

481 fits files and label files

range as indicated by dataset.cat (9000909 - 9001067) & (9010000-9120000) this is different from the actual ranges (9000341-9001067) & (9010000-9080000)

Looks like some data labeled as 184 in dataset.cat is in the 185 folder

Some data lost in 9060000_001.jpg

2005-186 – Lookback Imaging

136 fits files and label files

range indicated by dataset.cat (9080000 - 9080000) is different from the actual data

(9080000-9120000)

2005-187 – Lookback Imaging & Post encounter Science Cal

198 fits files and label files

range as indicated by dataset.cat (9120000 – 9150017) & (7100000-7100039) *this is different than the actual (7100000-7100007)*

2005-188 – Post encounter Science Cal

139 fits files and label files

range different from dataset.cat actual = (7100008 - 7200000); dataset.cat = (7200000 - 7200000).

2005-189 – Post encounter Science Cal

317 fits files and label files

range as indicated by dataset.cat (7200001 – 7200028)

2005-190 – Post encounter Science Cal

149 fits files and label files

range as indicated by dataset.cat (7300000 – 7400001)

Reduced MRI Data

2005-121 – Daily Comet Imaging

8 fits files and label files

range indicated by dataset.cat (5000100 - 5000111) is not the same as the data range of (5000104 - 5000111)

2005-127 – Daily Comet Imaging

16 fits files and label files

range as indicated by dataset.cat (5000704 - 5000723)

2005-128 – Daily Comet Imaging

24 fits files and label files

range as indicated by dataset.cat (5000804 - 5000847)

2005-135 – Daily Comet Imaging

40 fits files and label files

range indicated by dataset.cat (5001500 - 5001599) not the same as the actual range of (5001504 - 5001599)

2005-136 – Daily Comet Imaging

16 fits files and label files

range different from dataset.cat actual = (5001604 - 5001671); dataset.cat = (5001600 - 5001699).

2005-137 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (5001704 - 5001771); dataset.cat = (5001700 - 5001799).

2005-138 – Daily Comet Imaging

24 fits files and label files

range different from dataset.cat actual = (5001804 - 5001871); dataset.cat = (5001800 - 5001899).

2005-139 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (5001904 - 5001971); dataset.cat = (5001900 - 5001999).

2005-145 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (5002504 - 5002571); dataset.cat = (5002500 - 5002599).

2005-146 – Daily Comet Imaging

40 fits files and label files

range different from dataset.cat actual = (5002604 - 5002659); dataset.cat = (5002600 - 5002699).

2005-147 – Daily Comet Imaging (*listed as 146 in dataset.cat; 146 listed twice*)

40 fits files and label files

range different from dataset.cat actual = (5002700 - 5002759); dataset.cat = (5002700 - 5002799).

2005-148 – Daily Comet Imaging

24 fits files and label files

range different from dataset.cat actual = (5002800 - 5002835); dataset.cat = (5002800 - 5002899).

2005-149 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (5002900 - 5002971); dataset.cat = (5002900 - 5002999).

2005-150 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (5003000 - 5003071); dataset.cat = (5003000 - 5003099).

2005-151 – Daily Comet Imaging

16 fits files and label files

range different from dataset.cat actual = (5003100 - 5003123); dataset.cat = (5003100 - 5003199).

2005-154 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6000300 - 6000371); dataset.cat = (6000300 - 6000399).

2005-155 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6000400 - 6000471); dataset.cat = (6000400 - 6000499).

2005-156 – Daily Comet Imaging

16 fits files and label files

range different from dataset.cat actual = (6000500 - 6000523); dataset.cat = (6000500 - 6000599).

2005-161 – June Science Cal (This date is not listed in dataset.cat)

16 fits files and label files

range (6001012 – 6001035)

2005-162 – Daily Comet Imaging

32 fits files and label files

range different from dataset.cat actual = (6001100 - 6001147); dataset.cat = (6001100 - 6001199).

2005-163 – Daily Comet Imaging

16 fits files and label files

range different from dataset.cat actual = (6001200 - 6001223); dataset.cat = (6001200 - 6001299).

2005-164 – Daily Comet Imaging

40 fits files and label files

range different from dataset.cat actual = (6001300 - 6001359); dataset.cat = (6001300 - 6001399).

2005-165 – Daily Comet Imaging

32 fits files and label files

range different for comet imaging from dataset.cat actual = (6001400 - 6001447); dataset.cat = (6001400 - 6001499).

2005-166 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6001500 - 6001571); dataset.cat = (6001500 - 6001599).

2005-167 – Daily Comet Imaging

24 fits files and label files

range different from dataset.cat actual = (6001600 - 6001635); dataset.cat = (6001600 - 6001699).

2005-168 – Daily Comet Imaging

40 fits files and label files

range different from dataset.cat actual = (6001700 - 6001759); dataset.cat = (6001700 - 6001799).

2005-169 – Daily Comet Imaging

32 fits files and label files

range different from dataset.cat actual = (6001800 - 6001847); dataset.cat = (6001800 - 6001899).

2005-170 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6001900 - 6001971); dataset.cat = (6001900 - 6001999).

2005-171 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6002000 - 6002071); dataset.cat = (6002000 - 6002099).

2005-172 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6002100 - 6002171); dataset.cat = (6002100 - 6002199).

2005-173 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6002200 - 6002271); dataset.cat = (6002200 - 6002299).

2005-174 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6002300 - 6002371); dataset.cat = (6002300 - 6002399).

2005-175 – Daily Comet Imaging

48 fits files and label files

range different from dataset.cat actual = (6002400 - 6002471); dataset.cat = (6002400 - 6002499).

2005-176 – Daily Comet Imaging

40 fits files and label files

range different from dataset.cat actual = (6002500 - 6002559); dataset.cat = (6002500 - 6002599).

2005-177 – Daily Comet Imaging

32 fits files and label files

range different from dataset.cat actual = (6002600 - 6002647); dataset.cat = (6002600 - 6002699).

2005-178 – Daily Comet Imaging

45 fits files and label files

range different from dataset.cat actual = (8000003 - 8000143); dataset.cat = (8000000 - 8000143).

2005-179 – Daily Comet Imaging

54 fits files and label files

range as indicated by dataset.cat (8000168 - 8100140)

2005-180 – Daily Comet Imaging

54 fits files and label files

range as indicated by dataset.cat (8100165 - 8300011)

2005-181 – Daily Comet Imaging

54 fits files and label files

range as indicated by dataset.cat (8400042 - 8400482)

2005-182 – Daily Comet Imaging

99 fits files and label files

range as indicated by dataset.cat (8400561 - 8500437)

2005-183 – Daily Comet Imaging

134 fits files and label files

range as indicated by dataset.cat (8500477 - 8600167)

2005-184 – Continuous Comet Imaging

136 fits files and label files

range as indicated by dataset.cat (9000003 - 9000908) – this is different from real comet data (9000003-9000340)

Problems (striping) with some images

2005-185 –Impact Imaging & Lookback Imaging

481 fits files and label files

*range as indicated by dataset.cat (9000909 - 9001067) & (9010000-9080000)
impact imaging is different from the actual ranges (9000341-9001067)*

Looks like some data labeled as 184 in dataset.cat is in the 185 folder

Some data lost in 9060000_001.jpg

2005-186 – Lookback Imaging

136 fits files and label files

range indicated by dataset.cat (9080000 - 9080000) is different from the actual data (9080000-9120000)

some data looks strange, perhaps just the scaling.

2005-187 – Lookback Imaging

134 fits files and label files

range is as indicated by dataset.cat (9120000 – 9150017)

some data looks strange, perhaps just the scaling.

Support frames:

Flats look OK

Completeness

Many discrepancies between actual data and what is listed in dataset.cat (see above). This should be fixed or it should be verified that actual data is not missing.

Intelligibility

Data index table (index.tab) is difficult to follow since there is a lot of information in it (112 data columns and 264 pages of text). It is not an easy file to work with or print. If all this information is necessary, then some intelligibility should be sacrificed for completeness.

Interpretability

Support frames appear to be complete.

Archival Quality

OK