

Telemetry description for DS1 series

| facility name | TLM ID        | TLM NAME                   | UNIT  | Description   | Example                   |
|---------------|---------------|----------------------------|-------|---|---------------------------|
|               |               | yyyy/mm/dd hh:mm:ss.s00000 | time  |   | 2013/10/11 4:00:08.600000 |
| FPEF          | J#P0602J03078 | Count No.                  | ND    | Decimal loop counter for telemetry                              | 0.6                       |
| FPEF          | J#P0602J03120 | Obs Win TS3 Temp           | deg C | temperature of observation window 3 for 2D Cam                  | 24.053461                 |
| FPEF          | J#P0602J03130 | IR Win TS4 Temp            | deg C | temperature of observation window 2 for IR view                 | 23.877674                 |
| FPEF          | J#P0602J03140 | MI Win TS5 Temp            | deg C | temperature of observation window for MIDM                      | 24.090083                 |
| FPEF          | J#P0602J03150 | C-D Amp Temp               | V     | relative temperature amplified "C-D Temp 1", the range is 5[K]  | 1.847443                  |
| FPEF          | J#P0602J03160 | H-D ITO1 Temp              | deg C | Heating disk temperature, ITO sensor 1                          | 24.807878                 |
| FPEF          | J#P0602J03170 | H-D ITO2 Temp              | V     | Heating disk temperature, ITO sensor 2                          | 23.504128                 |
| FPEF          | J#P0602J03260 | C-D TC1 Temp               | deg C | cooling disk temperature, thermocouple-1                        | 19.900503                 |
| FPEF          | J#P0602J03270 | C-D TC2 Temp               | deg C | cooling disk temperature, thermocouple-2                        | 20.134886                 |
| FPEF          | J#P0602J03280 | C-D TC3 Temp               | deg C | cooling disk temperature, thermocouple-3                        | 19.966423                 |
| FPEF          | J#P0602J03290 | Atmos TC4 Temp             | deg C | temperature of gas in Experiment Cell                           | 21.013818                 |
| FPEF          | J#P0602J03300 | Atmos TC5 Temp             | deg C | temperature of gas in Experiment Cell                           | 21.079738                 |
| FPEF          | J#P0602J03310 | CoolWaterTC6Temp           | deg C | temperature of cooling water                                    | 19.81261                  |
| FPEF          | J#P0602J03320 | TC Comp Temp               | deg C | temperature of TC cold junction compensation                    | 2.294747                  |
| FPEF          | J#P0602J04030 | Atmos Pt2 Temp             | deg C | temperature of gas in Experiment Cell                           | 20.508432                 |
| FPEF          | J#P0602J04040 | H-D Pt3 Temp               | deg C | heating disk temperature, platinum sensor 3                     | 24.654065                 |
| FPEF          | J#P0602J04050 | H-D Pt4 Temp               | deg C | heating disk temperature, platinum sensor 4                     | 24.624767                 |
| FPEF          | J#P0602J04060 | H-D Pt5 Temp               | deg C | heating disk temperature, platinum sensor 5                     | 25.034936                 |
| FPEF          | J#P0602J04080 | C-D PS16 St (Cls)          | ND    | limit switch status of cooling disk position                    | OFF                       |
| FPEF          | J#P0602J04086 | MI Fcs CCW LS10 St         | ND    | limit switch status of MIDM focus direction                     | OFF                       |
| FPEF          | J#P0602J04087 | MI Fcs CW LS9 St           | ND    | limit switch status of MIDM focus direction                     | OFF                       |
| FPEF          | J#P0602J04088 | MI Rad CCW LS8 St          | ND    | limit switch status of MIDM radial direction                    | OFF                       |
| FPEF          | J#P0602J04089 | MI Rad CW LS7 St           | ND    | limit switch status of MIDM radial direction                    | OFF                       |
| FPEF          | J#P0602J0408A | MI Axis CCW LS6 St         | ND    | limit switch status of MIDM axial direction                     | OFF                       |
| FPEF          | J#P0602J0408B | MI Axis CW LS5 St          | ND    | limit switch status of MIDM axial direction                     | OFF                       |
| FPEF          | J#P0602J0408C | L-B Shp Ful LS4 St         | ND    | limit switch status of LB shape adjuster                        | OFF                       |
| FPEF          | J#P0602J0408D | L-B Shp Emp LS3 St         | ND    | limit switch status of LB shape adjuster                        | OFF                       |
| FPEF          | J#P0602J0408E | C-D PS2 St (Opn)           | ND    | limit switch status of cooling disk position                    | OFF                       |
| FPEF          | J#P0602J0408F | C-D PS1 St (IntP)          | ND    | sensor status of cooling disk initial position                  | OFF                       |
| FPEF          | J#P0602J0409F | AuxLight                   | ND    | status of Aux light ON/OFF                                      | OFF                       |
| FPEF          | J#P0602J0419F | AuxLight (set)             | ND    | status of Aux light ON/OFF                                      | OFF                       |
| FPEF          | J#P0602J04200 | C-D Posn                   | mm    | distance between Cooling disk and heating disk                  | 34.498112                 |
| FPEF          | J#P0602J04211 | L-B ShapeAdjQty            | cc    | Adjusted quantity for LB shape                                  | 0                         |
| FPEF          | J#P0602J04220 | MI Axis Len Posn           | mm    | MIDM Lens position, Axial                                       | -1.99591                  |
| FPEF          | J#P0602J04230 | MI Rad Posn                | mm    | MIDM Lens position, radial                                      | 0                         |
| FPEF          | J#P0602J04244 | MI Rad Origin St           | ND    | initialization status about an radial position of the MIDM Lens | Initialized               |
| FPEF          | J#P0602J04246 | MI Rad Move St             | ND    | moving status of the MIDM Lens in a radial direction            | Stopped                   |
| FPEF          | J#P0602J04247 | MI Axis Orgin St           | ND    | initialization status about an axial position of the MIDM Lens  | Initialized               |
| FPEF          | J#P0602J04249 | MI Axis Move St            | ND    | moving status of the MIDM Lens in an axial direction            | Stopped                   |
| FPEF          | J#P0602J0424A | L-B Shape Orgin St         | ND    | initialization status of LB shape adjuster                      | Initialized               |
| FPEF          | J#P0602J0424C | L-B Shape Move St          | ND    | operating status of LB shape adjuster                           | Stopped                   |
| FPEF          | J#P0602J0424D | C-D Posn Origin St         | ND    | the initialization status about the position of cooling disk    | Initialized               |
| FPEF          | J#P0602J0424F | C-D Moving Status          | ND    | Cooling Disk Moving status                                      | Stopped                   |
| FPEF          | J#P0602J24030 | Ar Gas Press               | kPa   | Argon Gas pressure in Experiment Cell                           | 98.342814                 |
| FPEF          | J#P0602J24110 | CoolingWaterTemp           | deg C | temperature of cooling water                                    | 22.478706                 |
| FPEF          | J#P0602J24120 | IR Camera Temp             | deg C | temperature inside IR camera                                    | 25.291291                 |
| FPEF          | J#P0602J24290 | IR (X1, Y1)Temp            | ND    | Not used in this series   | 0                         |
| FPEF          | J#P0602J24300 | IR(X1+1,Y1)Temp            | ND    | Not used in this series   | 0                         |
| FPEF          | J#P0602J24310 | IR(X1,Y1+1)Temp            | ND    | Not used in this series   | 0                         |
| FPEF          | J#P0602J24320 | IR(X1+1,Y1+1)Temp          | ND    | Not used in this series   | 0                         |
| FPEF          | J#P0602J25110 | H-D Temp Timer             | sec   | time of heating disk temperature profile                        | 59                        |
| FPEF          | J#P0602J25130 | C-D Temp Timer             | sec   | time of cooling disk temperature profile                        | 29                        |
| FPEF          | J#P0602J26030 | O&M Win Temp Timer         | sec   | time of heater profile for Observation window and MIDM window   | 0                         |
| FPEF          | J#P0602J26050 | IR WinTempTimer            | sec   | time of heater profile for IR observation window                | 0                         |