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```
netcdf MYD11A1.A2018174.h28v11.006.2018184003341 {
2
       YDim\:MODIS_Grid_Daily_1km_LST = 1200;
3
4
       XDim\:MODIS_Grid_Daily_1km_LST = 1200 ;
5
       ushort LST_Day_1km(YDim\:MODIS_Grid_Daily_1km_LST, XDim\:MODIS_Grid_Daily_1km_LST);
6
7
           LST Day 1km:long name = "Daily daytime 1km grid Land-surface Temperature";
           LST_Day_1km:units = "K";
           LST_Day_1km:Number\ Type = "uint16";
9
           LST_Day_1km:valid_range = 7500US, 65535US;
10
           LST_Day_1km:_FillValue = 0US ;
11
           LST Day 1km:LST = "LST data * scale factor";
12
13
           LST_Day_1km:scale_factor = 0.02;
14
           LST_Day_1km:scale_factor_err = 0.;
           LST_Day_1km:add_offset_err = 0.;
15
           LST_Day_1km:calibrated_nt = 5;
16
       ubyte QC_Day(YDim\:MODIS_Grid_Daily_1km_LST, XDim\:MODIS_Grid_Daily_1km_LST);
17
           QC_Day:long_name = "Quality control for daytime LST and emissivity";
18
           QC_Day:Number\ Type = "uint8" ;
19
           QC_Day:valid_range = 0UB, 255UB;
20
       ubyte Day_view_time(YDim\:MODIS_Grid_Daily_1km_LST, XDim\:MODIS_Grid_Daily_1km_LST);
21
           Day_view_time:long_name = "Time of daytime Land-surface Temperature observation" ;
22
23
           Day_view_time:units = "hrs" ;
           Day_view_time:Number\ Type = "uint8";
24
25
           Day_view_time:valid_range = 0UB, 240UB;
           Day_view_time:_FillValue = 255UB ;
26
           Day_view_time:View_time = "View_time data * scale_factor" ;
27
           Day_view_time:scale_factor = 0.1;
28
           Day_view_time:scale_factor_err = 0.;
29
30
           Day_view_time:add_offset_err = 0. ;
           Day_view_time:calibrated_nt = 5 ;
31
       ubyte Day_view_angl(YDim\:MODIS_Grid_Daily_1km_LST, XDim\:MODIS_Grid_Daily_1km_LST);
32
           Day_view_angl:long_name = "View zenith angle of daytime Land-surface Temperature" ;
33
           Day_view_angl:units = "deg" ;
34
           Day_view_angl:Number\ Type = "uint8";
35
36
           Day_view_angl:valid_range = 0UB, 130UB ;
           Day view angl: FillValue = 255UB;
37
           Day view angl:View_angle = "View_angle data * scale_factor + add_offset" ;
38
39
           Day_view_angl:scale_factor = 1. ;
           Day_view_angl:add_offset = -65.;
40
           Day_view_angl:scale_factor_err = 0.;
41
           Day_view_angl:add_offset_err = 0.;
42
           Day_view_angl:calibrated_nt = 5 ;
43
       ushort LST Night 1km(YDim\:MODIS Grid Daily 1km LST, XDim\:MODIS Grid Daily 1km LST) ;
44
           LST_Night_1km:long_name = "Daily nighttime 1km grid Land-surface Temperature" ;
45
           LST_Night_1km:units = "K";
46
           LST_Night_1km:Number\ Type = "uint16";
47
           LST_Night_1km:valid_range = 7500US, 65535US;
48
           LST Night 1km: FillValue = 0US;
49
           LST_Night_1km:LST = "LST data * scale_factor";
50
           LST_Night_1km:scale_factor = 0.02;
51
           LST_Night_1km:scale_factor_err = 0.;
52
           LST_Night_1km:add_offset_err = 0.;
53
54
           LST Night 1km:calibrated nt = 5;
55
       ubyte QC_Night(YDim\:MODIS_Grid_Daily_1km_LST, XDim\:MODIS_Grid_Daily_1km_LST);
           QC_Night:long_name = "Quality control for nighttime LST and emissivity" ;
56
           QC_Night:Number\ Type = "uint8";
57
           QC_Night:valid_range = 0UB, 255UB;
58
       ubyte Night view time(YDim\:MODIS Grid Daily 1km LST, XDim\:MODIS Grid Daily 1km LST);
59
60
           Night_view_time:long_name = "Time of nighttime Land-surface Temperature observation" ;
           Night_view_time:units = "hrs";
61
           Night_view_time:Number\ Type = "uint8" ;
62
           Night_view_time:valid_range = 0UB, 240UB ;
63
64
           Night_view_time:_FillValue = 255UB ;
           Night_view_time:View_time = "View_time data * scale_factor" ;
65
66
           Night_view_time:scale_factor = 0.1;
           Night_view_time:scale_factor_err = 0. ;
67
           Night_view_time:add_offset_err = 0.;
68
           Night_view_time:calibrated_nt = 5 ;
69
70
       ubyte Night_view_angl(YDim\:MODIS_Grid_Daily_1km_LST, XDim\:MODIS_Grid_Daily_1km_LST);
```

```
Night_view_angl:long_name = "View zenith angle of nighttime Land-surface Temperature" ;
71
           Night_view_angl:units = "deg";
72
           Night_view_angl:Number\ Type = "uint8" ;
73
74
           Night_view_angl:valid_range = 0UB, 130UB ;
           Night_view_angl:_FillValue = 255UB ;
75
           Night_view_angl:View_angle = "View_angle data * scale_factor + add_offset" ;
76
77
           Night view angl:scale factor = 1.;
78
           Night_view_angl:add_offset = -65.;
           Night view angl:scale factor err = 0.;
79
           Night_view_angl:add_offset_err = 0. ;
80
           Night_view_angl:calibrated_nt = 5 ;
81
       ubyte Emis_31(YDim\:MODIS_Grid_Daily_1km_LST, XDim\:MODIS_Grid_Daily_1km_LST);
82
83
           Emis_31:long_name = "Band 31 emissivity" ;
84
           Emis_31:Number\ Type = "uint8"
           Emis_31:valid_range = 1UB, 255UB ;
85
           Emis_31:_FillValue = 0UB ;
86
           Emis_31:Emis_31 = "Emis_31 data * scale_factor + add_offset" ;
87
           Emis_31:scale_factor = 0.002 ;
88
           Emis 31:add offset = 0.49;
89
           Emis_31:scale_factor_err = 0. ;
90
           Emis_31:add_offset_err = 0.;
91
           Emis_31:calibrated_nt = 5 ;
92
93
        ubyte Emis_32(YDim\:MODIS_Grid_Daily_1km_LST, XDim\:MODIS_Grid_Daily_1km_LST) ;
           Emis_32:long_name = "Band 32 emissivity" ;
94
           Emis_32:Number\ Type = "uint8";
95
           Emis_32:valid_range = 1UB, 255UB;
96
           Emis 32: FillValue = 0UB;
97
           Emis_32:Emis_32 = "Emis_32 data * scale_factor + add_offset" ;
98
           Emis_32:scale_factor = 0.002 ;
99
100
           Emis_32:add_offset = 0.49;
           Emis_32:scale_factor_err = 0. ;
101
           Emis_32:add_offset_err = 0.;
102
103
           Emis_32:calibrated_nt = 5 ;
       ushort Clear_day_cov(YDim\:MODIS_Grid_Daily_1km_LST, XDim\:MODIS_Grid_Daily_1km_LST);
104
           Clear_day_cov:long_name = "day clear-sky coverage" ;
105
           Clear_day_cov:Number\ Type = "uint16";
106
           Clear day cov:valid range = 1US, 65535US;
107
           Clear day cov: FillValue = 0US;
108
109
           Clear_day_cov:day\ clear_sky_cov = "day_clear_sky_cov data * scale_factor" ;
           Clear_day_cov:scale_factor = 0.0005 ;
110
           Clear_day_cov:scale_factor_err = 0.;
111
           Clear_day_cov:add_offset_err = 0.;
112
           Clear_day_cov:calibrated_nt = 5 ;
113
        ushort Clear night cov(YDim\:MODIS Grid Daily 1km LST, XDim\:MODIS Grid Daily 1km LST) ;
114
           Clear_night_cov:long_name = "night clear-sky coverage" ;
115
           Clear_night_cov:Number\ Type = "uint16";
116
           Clear_night_cov:valid_range = 1US, 65535US ;
117
           Clear_night_cov:_FillValue = 0US ;
118
           Clear night cov:night\ clear sky cov = "nit clear sky cov data * scale factor" ;
119
           Clear_night_cov:scale_factor = 0.0005;
120
           Clear_night_cov:scale_factor_err = 0.;
121
122
           Clear_night_cov:add_offset_err = 0. ;
           Clear_night_cov:calibrated_nt = 5 ;
123
124
125
    // global attributes:
           :HDFEOSVersion = "HDFEOS V2.19";
126
127
           :StructMetadata.0 =
            "GROUP=SwathStructure\nEND GROUP=SwathStructure\nGROUP=GridStructure\n\tGROUP=GRID 1\n\t\tGridName=\"
           MODIS_Grid_Daily_1km_LST\"\n\t\tXDim=1200\n\t\tYDim=1200\n\t\tUpperLeftPointMtrs=(11119505.197665,-
            2223901.039533)\n\t\tLowerRightMtrs=(12231455.717432,-3335851.559300)\n\t\tProjection=GCTP_SNSOID\n\t\
            tProjParams=(6371007.181000,0,0,0,0,0,0,0,86400,0,0,0)\n\t\tSphereCode=-1\n\t\tGridOrigin=HDFE_GD_UL\n\
            t\tGROUP=Dimension\n\t\tEND_GROUP=Dimension\n\t\tGROUP=DataField\n\t\t\t0BJECT=DataField_1\n\t\t\t\
            tEND_OBJECT=DataField_1\n\t\t\tOBJECT=DataField_2\n\t\t\tDataFieldName=\"QC_Day\"\n\t\t\tDataType=
            DFNT_UINT8\n\t\t\tDimList=(\"YDim\",\"XDim\")\n\t\t\tEND_OBJECT=DataField_2\n\t\t\t0BJECT=DataField_3\n
            \t\t\tDataFieldName=\"Day_view_time\"\n\t\t\tDataType=DFNT_UINT8\n\t\t\tDimList=(\"YDim\",\"XDim\")
            \n\t\tEND_0BJECT=DataField_3\n\t\t\t0BJECT=DataField_4\n\t\t\tDataFieldName=\"Day_view_angl\"\n\t\t\
            \tDataType=DFNT_UINT8\n\t\t\tDimList=(\"YDim\",\"XDim\")\n\t\tEND_0BJECT=DataField_4\n\t\t\t0BJECT=
            DataField_5\n\t\t\tDataFieldName=\"LST_Night_1km\"\n\t\t\tDataType=DFNT_UINT16\n\t\t\tDimList=(\"
            YDim\",\"XDim\")\n\t\t\tBND_OBJECT=DataField_5\n\t\t\t0BJECT=DataField_6\n\t\t\t\tDataFieldName=\"
```

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```
/Users/baird/Dropbox/_github_repos_research/modis-analysis/ncdump_hdf_out.txt
                                                                                                                                                                               Page 3/8
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                                                                                                                                                         Printed for: baird-air
 127.
                      QC_Night\"\n\t\t\tDataType=DFNT_UINT8\n\t\t\tDimList=(\"YDim\",\"XDim\")\n\t\t\tEND_0BJECT=
                     DataField 6\n\t\t0BJECT=DataField 7\n\t\t\tDataFieldName=\"Night view time\"\n\t\t\tDataType=
                     DFNT_UINT8\n\t\t\tDimList=(\"YDim\",\"XDim\")\n\t\tEND_0BJECT=DataField_7\n\t\t\t0BJECT=DataField_8\n
                      \t\t\tDataFieldName=\"Night_view_angl\"\n\t\t\tDataType=DFNT_UINT8\n\t\t\tDimList=(\"YDim\",\"XDim\
                      ")\n\t\tEND_OBJECT=DataField_8\n\t\t\tOBJECT=DataField_9\n\t\t\t\tDataFieldName=\"Emis_31\"\n\t\t\t\
                      tDataType=DFNT_UINT8\n\t\t\tDimList=(\"YDim\",\"XDim\")\n\t\tEND_0BJECT=DataField_9\n\t\t\t0BJECT=
                      DataField 10\n\t\t\t\tDataFieldName=\"Emis 32\"\n\t\t\tDataType=DFNT UINT8\n\t\t\tDimList=(\"YDim\",\
                      "XDim\")\n\t\t\tEND_0BJECT=DataField_10\n\t\t\t0BJECT=DataField_11\n\t\t\t\tDataFieldName=\"Clear_day_cov
                      \"\n\t\t\tDataType=DFNT_UINT16\n\t\t\tDimList=(\"YDim\",\"XDim\")\n\t\tEND_0BJECT=DataField_11\n\t\
                      t\t0BJECT=DataField_12\n\t\t\tDataFieldName=\"Clear_night_cov\"\n\t\t\tDataType=DFNT_UINT16\n\t\t\t\
                      tDimList=(\"YDim\",\"XDim\")\n\t\tEND_0BJECT=DataField_12\n\t\tEND_GROUP=DataField\n\t\tGROUP=
                     MergedFields\n\t\tEND GROUP=MergedFields\n\tEND GROUP=GRID 1\nEND GROUP=GridStructure\nGROUP=
                     PointStructure\nEND_GROUP=PointStructure\nEND\n";
                     :CoreMetadata.0 = "\nGROUP
                                                                                          = INVENTORYMETADATA\n GROUPTYPE
   128
                                                                                                                                                                = MASTERGROUP\n\n
                                                                                                                                    = LOCALGRANULEID\n
                                                                                                                                                                         NUM VAL
                     GROUP
                                                          = ECSDATAGRANULE\n\n
                                                                                               OBJECT
                     = 1\n
                                       VALUE
                                                                        = \"MYD11A1.A2018174.h28v11.006.2018184003341.hdf\"\n
                                                                                                                                                                  END OBJECT
                      = LOCALGRANULEID\n\n
                                                           OBJECT
                                                                                               = PRODUCTIONDATETIME\n
                                                                                                                                           NUM VAL
                                                      = \"2018-07-03T00:33:41.000Z\"\n
                                                                                                               END_OBJECT
                                                                                                                                                    = PRODUCTIONDATETIME\n\n
                     OBJECT
                                                          = DAYNIGHTFLAG\n
                                                                                            NUM VAL
                                                                                                                              = 1\n
                                                                                                                                               VALUE
                                            END_OBJECT
                      \"Both\"\n
                                                                                = DAYNIGHTFLAG\n\n
                                                                                                                  OBJECT
                                                                                                                                                      = REPROCESSINGACTUAL\n
                     NUM VAL
                                                      = 1\n
                                                                        VALUE
                                                                                                         = \"reprocessed\"\n
                                                                                                                                             END OBJECT
                     REPROCESSINGACTUAL\n\n
                                                                                                   = LOCALVERSIONID\n
                                                                                                                                        NUM VAL
                                                               OBJECT
                                                                                                                                                                          = 1\n
                                                      = \''6.4.4AS\''\n
                                                                                    END_OBJECT
                                                                                                                         = LOCALVERSIONID\n\n
                                                                                                                                                               OBJECT
                                                                                                                                                       = \"further update is
                     = REPROCESSINGPLANNED\n
                                                                   NUM VAL
                                                                                                                      VALUE
                                                                                        = REPROCESSINGPLANNED\n\n END GROUP
                      anticipated\"\n
                                                   END OBJECT
                      ECSDATAGRANULE\n\n GROUP
                                                                                         = MEASUREDPARAMETER\n\n
                                                                                                                                    OBJECT
                     MEASUREDPARAMETERCONTAINER\n
                                                                                                                                       GROUP
                                                                                                            = \''1\'' \n\n
                                                                                 = \"1\"\n\n
                      QAFLAGS\n
                                                CLASS
                                                                                                               OBJECT
                                                                                                                                                    = SCIENCEQUALITYFLAG\n
                                                                                                               = \"Not Investigated\"\n
                     NUM VAL
                                                      = 1\n
                                                                              VALUE
                                                                                                                                                                     CLASS
                     = \"1\"\n
                                                END_OBJECT
                                                                                    = SCIENCEQUALITYFLAG\n\n
                                                                                                                                       OB 1FCT
                     AUTOMATICOUALITYFLAGEXPLANATION\n
                                                                                         NUM VAL
                                                                                                                                                  CLASS
                                                                                                                          = 1 n
                      \"1\"\n
                                                VALUE
                                                                                 = \"No automatic quality assessment is performed in the PGE.\"\n
                     END_OBJECT
                                                          = AUTOMATICQUALITYFLAGEXPLANATION\n\n
                                                                                                                                 OBJECT
                     AUTOMATICQUALITYFLAG\n
                                                                       NUM VAL
                                                                                                         = 1\n
                                                                                                                                 CLASS
                                                                                                                                                                  = \"1\"\n
                                                      = \"Passed\"\n
                                                                                         END_OBJECT
                                                                                                                              = AUTOMATICQUALITYFLAG\n\n
                     VALUE
                                                          = SCIENCEQUALITYFLAGEXPLANATION\n
                                                                                                                             NUM_VAL
                     OBJECT
                                                                                                                                                               = 1\n
                     CLASS
                                                      = \"1\"\n
                                                                                    VALUE
                                                                                                                      = \"See
                      http://landweb.nascom.nasa.gov/cgi-bin/OA WWW/gaFlagPage.cgi?sat=agua for the product Science Quality
                                                                                        = SCIENCEQUALITYFLAGEXPLANATION\n\n
                      status.\"\n
                                                    END OBJECT
                                                                                                                                                        END GROUP
                                                                                                                                                       = \"1\"\n\n
                                                    GROUP
                                                                                        = QASTATS\n
                      = QAFLAGS\n\n
                                                                                                                      CLASS
                                                                                                               NUM_VAL
                     OBJECT
                                                          = QAPERCENTMISSINGDATA\n
                                                                                                                                                                        CLASS
                                                                                                                                                 = 1\n
                     = \"1\"\n
                                                    VALUE
                                                                                    = 0\n
                                                                                                         END_OBJECT
                                                                                                                                             = QAPERCENTMISSINGDATA\n\n
                      OBJECT
                                                          = QAPERCENTOUTOFBOUNDSDATA\n
                                                                                                                      NUM VAL
                                                                                                                                                       = 1\n
                                                                                                                                                                               CLASS
                        \"1\"\n
                                                    VALUE
                                                                                                         END OBJECT
                                                                                    = 0 \ n
                     QAPERCENTOUTOFBOUNDSDATA\n\n
                                                                              OBJECT
                                                                                                                   = QAPERCENTCLOUDCOVER\n
                                                                                                                                                                      NUM_VAL
                                                                              = \"1\"\n
                                                                                                            VALUE
                                                                                                                                                                  END OBJECT
                                             CLASS
                     = 1\n
                                                                                                                                             = 7\n
                     = QAPERCENTCLOUDCOVER\n\n
                                                                          OBJECT
                                                                                                             = QAPERCENTINTERPOLATEDDATA\n
                                                                                                                                                                           NUM VAL
                     = 1\n
                                             CLASS
                                                                              = \"1\"\n
                                                                                                            VALUE
                                                                                                                                             = 0\n
                                                                                                                                                                  END OBJECT
                      = QAPERCENTINTERPOLATEDDATA\n\n
                                                                                END GROUP
                                                                                                                    = QASTATS\n\n
                                                                                                                                                  OBJECT
                                                                                           = \"1\"\n
                     PARAMETERNAME\n
                                                                                                                     NUM_VAL
                                                                                                                                                                           VALUE
                      = \"MOD 1KM L3 LST\"\n
                                                                  END_OBJECT
                                                                                                      = PARAMETERNAME\n\n
                                                                                                                                          END OBJECT
                                                                                                                                                                              =
                     MEASUREDPARAMETERCONTAINER\n\n
                                                                                                            = MEASUREDPARAMETER\n\n GROUP
                                                                       END GROUP
                      COLLECTIONDESCRIPTIONCLASS\n\n
                                                                           OBJECT
                                                                                                               = VERSIONID\n
                                                                                                                                             NUM VAL
                                                                                                                                                                              = 1\n
                     VALUE
                                                                     END OBJECT
                                                                                                         = VERSIONID\n\n
                                                                                                                                       OBJECT
                                                       = 6 \ln
                     SHORTNAME\n
                                                NUM VAL
                                                                                 = 1\n
                                                                                                   VALUE
                                                                                                                                    = \"MYD11A1\"\n
                                                                                                                                                                  END_OBJECT
                     = SHORTNAME\n\n END GROUP
                                                                                    = COLLECTIONDESCRIPTIONCLASS\n\n GROUP
                                                                                         = INPUTPOINTER\n
                     INPUTGRANULE\n\n
                                                     OBJECT
                                                                                                                            NUM_VAL
                                                                                                                                                                                   VALUE
                     = (\"MYD03.A2018174.1645.006.2018178191431.hdf\", \"MYD021KM.A2018174.1645.006.2018178192828.hdf\", \"MYD05_L2.A2018174.1645.006.2018178193220.hdf\", \"MYD07_L2.A2018174.1645.006.2018178193238.hdf\",
                     \"MYD03.A2018174.0545.006.2018178191727.hdf\", \"\n
MYD021KM.A2018174.0545.006.2018178193100.hdf\", \"MYD05_L2.A2018174.0545.006.2018178193610.hdf\", \"MYD10_L2.A2018174.0545.006.2018178193640.hdf\", \"MYD07_L2.A2018174.0545.006.2018178193640.hdf\", \"MYD10_L2.A2018174.0545.006.2018178193640.hdf\", \"MYD07_L2.A2018174.0545.006.2018178193640.hdf\", \"MYD07_L2.A2018174.0545.006.2018178193640.hdf
                     \"MYD03.A2018174.1640.006.2018178191723.hdf\", \"MYD021KM.A2018174.1640.006.2018178192753.hdf\", \n\"MYD03_L2.A2018174.1640.006.2018178193338.hdf\", \"MYD03_L2.A2018174.1640.006.2018178193338.hdf\", \"MYD03.A2018174.1820.006.2018178191738.hdf\", \"MYD021KM.A2018174.1820.006.2018178193021.hdf\", \"MYD03_L2.A2018174.1820.006.2018178193702.hdf\", \"MYD07_L2.A2018174.1820.006.2018178193702.hdf\")\n
```

= INPUTPOINTER\n\n END_GROUP

= GPOLYGONCONTAINER\n

= GRINGPOINT\n

GROUP

OBJECT

GROUP

= INPUTGRANULE\n\n GROUP

CLASS

GROUP

= ''1'' n n

= HORIZONTALSPATIALDOMAINCONTAINER\n\n

CLASS

END OBJECT

\"1\"\n\n

= GPOLYGON\n\n

= SPATIALDOMAINCONTAINER\n\n

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```
128.
             OBJECT
                                     = GRINGPOINTLONGITUDE\n
                                                                           NUM VAL
                                                                                                                     CLASS
                                                          = (106.418995367789, 117.061319158655, 127.012228685113,
             = \"1\"\n
                                                                     = GRINGPOINTLONGITUDE\n\n
             115.465242843852)\n
                                             END OBJECT
                                                                                                           OBJECT
             = GRINGPOINTLATITUDE\n
                                                  NUM_VAL
                                                                        = 4\n
                                                                                            CLASS
             \"1\"\n
                                                        = (-20.0041666666667, -20.0041666666667, -29.99583333333333,
                                  VAI UF
                                                                      = GRINGPOINTLATITUDE\n\n
             -29.995833333333)\n
                                              END OBJECT
                                                                                                           OBJECT
             = GRINGPOINTSEQUENCENO\n
                                                    NUM VAL
                                                                                              CLASS
             \"1\"\n
                                  VALUE
                                                        = (1, 2, 3, 4) \setminus n
                                                                                     END OBJECT
                                                                                                   GROUP
             GRINGPOINTSEQUENCENO\n\n
                                                END GROUP
                                                                        = GRINGPOINT\n\n
             = GRING\n
                                  CLASS
                                                        = \''1\'' n n
                                                                                OBJECT
             EXCLUSIONGRINGFLAG\n
                                                NUM VAL
                                                                                         CLASS
                                                                                                               = \"1\"\n
                                                                      = 1 \ n
                                  = \"N\"\n
                                                        END OBJECT
                                                                                = EXCLUSIONGRINGFLAG\n\n
             VALUE
             END_GROUP
                                    = GRING\n\n
                                                        END OBJECT
                                                                                = GPOLYGONCONTAINER\n\n
                                                                                                               END_GROUP
             = GPOLYGON\n\n
                               END GROUP
                                                       = HORIZONTALSPATIALDOMAINCONTAINER\n\n END GROUP
             SPATIALDOMAINCONTAINER\n\n GROUP
                                                                  = RANGEDATETIME\n\n
                                                                                         OBJECT
             RANGEENDINGDATE\n
                                    NUM VAL
                                                                      VALUE
                                                                                           = \"2018-06-23\"\n
                                                          = 1\n
                                     = RANGEENDINGDATE\n\n
                                                                                      = RANGEENDINGTIME\n
                                                                                                                NUM_VAL
             END OBJECT
                                                              OBJECT
                                              = \"23:59:59\"\n
                                                                                           = RANGEENDINGTIME\n\n
             = 1\n
                        VALUE
                                                                   END_OBJECT
             OBJECT
                                     = RANGEBEGINNINGDATE\n
                                                                  NUM VAL
                                                                                       = 1\n
                                                                                                   VALUE
             \"2018-06-23\"\n
                                                         = RANGEBEGINNINGDATE\n\n
                                 END OBJECT
                                                                                      OBJECT
                                                                                               = \"00:00:00\"\n
             RANGEBEGINNINGTIME\n
                                       NUM VAL
                                                             = 1\n
                                                                         VALUE
                                     = RANGEBEGINNINGTIME\n\n END GROUP
                                                                                        = RANGEDATETIME\n\n GROUP
             END OBJECT
             = PGEVERSIONCLASS\n\n
                                       OBJECT
                                                              = PGEVERSION\n
                                                                                   NUM_VAL
                                                                                                         = 1\n
                                                                                                                     VALUE
                               END OBJECT
                                                                                                  = PGEVERSIONCLASS\n\n
             = \"6.4.17\"\n
                                                       = PGEVERSION\n\n END GROUP
                                     = ASSOCIATEDPLATFORMINSTRUMENTSENSOR\n\n
                                                                                  OBJECT
             GROUP
                                                                                                          =
                                                                                       = \''1\'' n n
             ASSOCIATEDPLATFORMINSTRUMENTSENSORCONTAINER\n
                                                                  CLASS
                                                                                                         OBJECT
             = ASSOCIATEDSENSORSHORTNAME\n
                                                                         = \"1\"\n
                                                                                          NUM VAL
                                                                                                                = 1\n
             VALUE
                                  = \"MODIS\"\n
                                                      END OBJECT
                                                                              = ASSOCIATEDSENSORSHORTNAME\n\n
             OBJECT
                                    = ASSOCIATEDPLATFORMSHORTNAME\n
                                                                             CLASS
                                                                      = \"Aqua\"\n
                                                VALUE
                                                                                         END OBJECT
            NUM VAL
                                  = 1 n
                                                                           = ASSOCIATEDINSTRUMENTSHORTNAME\n
             ASSOCIATEDPLATFORMSHORTNAME\n\n
                                                   OBJECT
             CLASS
                                  = \"1\"\n
                                                    NUM VAL
                                                                                       VALUE
                                                                          = 1\n
                              END_OBJECT
             \"MODIS\"\n
                                                      = ASSOCIATEDINSTRUMENTSHORTNAME\n\n
                                                                                               END_OBJECT
             ASSOCIATEDPLATFORMINSTRUMENTSENSORCONTAINER\n\n END_GROUP
             ASSOCIATEDPLATFORMINSTRUMENTSENSOR\n\n GROUP
                                                                              = ADDITIONALATTRIBUTES\n\n
                                                                                                             OBJECT
                                                                           = \"1\"\n\n
             = ADDITIONALATTRIBUTESCONTAINER\n
                                                     CLASS
                                                                                            OB 1FCT
                                                                     = \"1\"\n
             ADDITIONALATTRIBUTENAME\n
                                               CLASS
                                                                                                            = 1\n
                                  = \"QAPERCENTGOODQUALITY\"\n
                                                                      END OBJECT
                                                                       = INFORMATIONCONTENT\n
             ADDITIONALATTRIBUTENAME\n\n
                                               GROUP
                                                                                                      CLASS
                                                        = PARAMETERVALUE\n
             = \"1\"\n\n
                                OBJECT
                                                                                     NUM_VAL
                                                                                                           = 1\n
             CLASS
                                   = \"1\"\n
                                                                            = \"2\"\n
                                                                                              END OBJECT
                                                      VALUE
             PARAMETERVALUE\n\n
                                      END GROUP
                                                             = INFORMATIONCONTENT\n\n
                                                                                           END OBJECT
             ADDITIONALATTRIBUTESCONTAINER\n\n
                                                   OBJECT
                                                                           = ADDITIONALATTRIBUTESCONTAINER\n
                                                                                                                    CLASS
             = \"2\"\n\n
                              OBJECT
                                                      = ADDITIONALATTRIBUTENAME\n
                                                                                                                = \"2\"\n
            NUM_VAL
                                                VALUE
                                                                      = \"QAPERCENTOTHERQUALITY\"\n
                                                                                                          END_OBJECT
                                  = 1\n
             = ADDITIONALATTRIBUTENAME\n\n
                                                 GROUP
                                                                         = INFORMATIONCONTENT\n
                                                                                                        CLASS
             = \"2\"\n\n
                                                        = PARAMETERVALUE\n
                                OBJECT
                                                                                     NUM_VAL
                                                                                                           = 1\n
             CLASS
                                   = \"2\"\n
                                                      VALUE
                                                                            = \"55\"\n
                                                                                               END OBJECT
             PARAMETERVALUE\n\n
                                     END GROUP
                                                             = INFORMATIONCONTENT\n\n
                                                                                           END OBJECT
             ADDITIONALATTRIBUTESCONTAINER\n\n
                                                   OBJECT
                                                                           = ADDITIONALATTRIBUTESCONTAINER\n
                                                                                                                    CLASS
             = \"3\"\n\n
                              OBJECT
                                                      = ADDITIONALATTRIBUTENAME\n
                                                                                                                = \"3\"\n
                                                                                          CLASS
                                                                      = \"QAPERCENTNOTPRODUCEDCLOUD\"\n
                                                                                                              END_OBJECT
            NUM VAL
                                                VAI IIF
                                  = 1\n
             = ADDITIONALATTRIBUTENAME\n\n
                                                 GROUP
                                                                         = INFORMATIONCONTENT\n
                                                                                                        CLASS
                                                        = PARAMETERVALUE\n
                                                                                     NUM_VAL
                                                                                                           = 1\n
             = \"3\"\n\n
                                 OBJECT
                                   = \"3\"\n
             CLASS
                                                      VALUE
                                                                                              END OBJECT
                                     END GROUP
                                                              = INFORMATIONCONTENT\n\n
                                                                                           END OBJECT
             PARAMETERVALUE\n\n
             ADDITIONALATTRIBUTESCONTAINER\n\n
                                                   OB 1FCT
                                                                           = ADDITIONALATTRIBUTESCONTAINER\n
                                                                                                                    CLASS
                                                                                                                = \"4\"\n
             = \''4\'' \n\n
                              OBJECT
                                                      = ADDITIONALATTRIBUTENAME\n
                                                                                           CLASS
            NUM VAL
                                                VALUE
                                                                      = \"QAPERCENTNOTPRODUCEDOTHER\"\n
                                                                                                              END OBJECT
                                                                                                        CLASS
             = ADDITIONALATTRIBUTENAME\n\n
                                                 GROUP
                                                                         = INFORMATIONCONTENT\n
             = \''4\'' n n
                                OBJECT
                                                        = PARAMETERVALUE\n
                                                                                     NUM VAL
                                                                                                           = 1\n
                                                                            = \"36\"\n
                                   = \"4\"\n
             CLASS
                                                                                               END_OBJECT
                                                      VALUE
             PARAMETERVALUE\n\n
                                      END GROUP
                                                             = INFORMATIONCONTENT\n\n
                                                                                           END OBJECT
             ADDITIONALATTRIBUTESCONTAINER\n\n
                                                                           = ADDITIONALATTRIBUTESCONTAINER\n
                                                   OBJECT
                                                                                                                    CLASS
             = \"5\"\n\n
                              OBJECT
                                                      = ADDITIONALATTRIBUTENAME\n
                                                                                                                = \"5\"\n
            NUM VAL
                                                                      = \"N GRAN POINTERS\"\n
                                                                                                    END OBJECT
                                  = 1\n
                                                VALUE
             = ADDITIONALATTRIBUTENAME\n\n
                                                 GROUP
                                                                         = INFORMATIONCONTENT\n
                                                                                                        CLASS
             = \"5\"\n\n
                                                        = PARAMETERVALUE\n
                                                                                                           = 1\n
                                OBJECT
                                                                                     NUM_VAL
                                  = \"5\"\n
                                                                            = \"17\"\n
                                                                                               END OBJECT
             CLASS
                                                      VALUE
             PARAMETERVALUE\n\n
                                      END_GROUP
                                                             = INFORMATIONCONTENT\n\n
                                                                                           END_OBJECT
```

Page 6/8 Saved: 7/7/18, 11:05:33 AM Printed for: baird-air 128... $= \"15\"\n\n$ **OBJECT** = PARAMETERVALUE\n NUM VAL = 1\n = \"15\"\n CLASS VALUE = \"http://dx.doi.org\"\n **END OBJECT** = INFORMATIONCONTENT\n\n = PARAMETERVALUE\n\n END GROUP END OBJECT ADDITIONALATTRIBUTESCONTAINER\n\n END_GROUP = ADDITIONALATTRIBUTES\n\nEND_GROUP = INVENTORYMETADATA\n\nEND\n" ; :ArchiveMetadata.0 = "\nGROUP = ARCHIVEDMETADATA\n GROUPTYPE 129 MASTERGROUP\n\n GROUP = TILEINFO\n\n **OBJECT** = HORIZONTALTILENUMBER\n = \"28\"\n NUM VAL = 1\n VALUE END OBJECT HORIZONTALTILENUMBER\n\n = VERTICALTILENUMBER\n NUM_VAL **OBJECT** = 1\n = VERTICALTILENUMBER\n\n END_GROUP VALUE = \"11\"\n END_OBJECT = ALGORITHMPACKAGE\n\n = TILEINFO\n\n GROUP **OBJECT** ALGORITHMPACKAGEACCEPTANCEDATE\n NUM VAL = \"102004\"\n = 1\n VALUE = ALGORITHMPACKAGEACCEPTANCEDATE\n\n END OBJECT OB 1FCT ALGORITHMPACKAGEMATURITYCODE\n NUM VAL = 1\n VALUE = \"Normal\"\n = ALGORITHMPACKAGEMATURITYCODE\n\n **OBJECT** END OBJECT ALGORITHMPACKAGENAME\n NUM VAL VALUE = \"MOD PR11A\"\n = 1\n = ALGORITHMPACKAGENAME\n\n = ALGORITHMPACKAGEVERSION\n END OBJECT OBJECT. = \"6\"\n NUM VAL = 1\n **VALUE** END OBJECT ALGORITHMPACKAGEVERSION\n\n END GROUP = ALGORITHMPACKAGE\n\n GROUP NUM_VAL = 1\n PR0JECT\n\n **OBJECT** = LONGNAME\n VALUE = \"MODIS/Aqua Land Surface Temperature/Emissivity Daily L3 Global 1km SIN Grid\"\n END OBJECT **OBJECT** = INSTRUMENTNAME\n NUM VAL = LONGNAME\n\n = 1\n = INSTRUMENTNAME\n\n = \"Moderate-Resolution Imaging SpectroRadiometer\"\n END_OBJECT END GROUP = PROJECT\n\n GROUP = INPUTGRANULETILE\n\n **OBJECT** = INPUTGRANULETILECONTAINER\n = ''1'' n nCLASS **OBJECT** = \"1\"\n INPUTTILEPOINTER\n **CLASS** NUM VAL = 1\n **VALUE** = \"MCDLC1KM.A2010001.h28v11.051.2013340001912.hdf\"\n END OBJECT = INPUTTILEPOINTER\n\n = INPUTGRANULETILECONTAINER\n\n **OBJECT** = \"2\"\n\n INPUTGRANULETILECONTAINER\n CLASS **OBJECT** = \"2\"\n INPUTTILEPOINTER\n CLASS NUM_VAL = 1\n VALUE = \"MCD43A1.A2018170.h28v11.006.2018179150745.hdf\"\n END OBJECT = INPUTTILEPOINTER\n\n END OBJECT = INPUTGRANULETILECONTAINER\n\n **OBJECT** = \"3\"\n\n INPUTGRANULETILECONTAINER\n CLASS **OBJECT** = \"3\"\n = 1\n INPUTTILEPOINTER\n CLASS NUM VAL VALUE = \"MYD11A1.6.A2018174.h28v11.hdf\"\n END_OBJECT = INPUTTILEPOINTER\n\n END_OBJECT = INPUTGRANULETILECONTAINER\n\n = INPUTGRANULETILECONTAINER\n **OBJECT** CLASS = INPUTTILEPOINTER\n = \"4\"\n\n **OBJECT** CLASS = \"4\"\n NUM VAL VALUE = \"MYD11B1.6.A2018174.h28v11.hdf\"\n = INPUTGRANULETILECONTAINER\n\n END OBJECT = INPUTTILEPOINTER\n\n END OBJECT = INPUTGRANULETILECONTAINER\n CLASS = \"5\"\n\n OBJECT **OBJECT** = \"5\"\n = INPUTTILEPOINTER\n CLASS NUM_VAL = 1\n **VALUE** = INPUTTILEPOINTER\n\n = \"MYD11UPD.A2-2.6.update_for_lst.h28v11.hdf\"\n END OBJECT = INPUTGRANULETILECONTAINER\n\n END GROUP = INPUTGRANULETILE\n\n END OBJECT **GROUP** = INPUTGRANULE\n\n **OBJECT** = INPUTGRANULECONTAINER\n = \"1\"\n\n **OBJECT** = \"1\"\n = INPUTGRANULEPOINTER\n CLASS NUM_VAL = \"MYD03.A2018174.1645.006.2018178191431.hdf\"\n VALUE = 1\n END OBJECT = INPUTGRANULEPOINTER\n\n END OBJECT = INPUTGRANULECONTAINER\n\n **OBJECT** = INPUTGRANULECONTAINER\n CLASS $= \"2\"\n\n$ **OBJECT** = INPUTGRANULEPOINTER\n CLASS = \"2\"\n NUM VAL = 1\n = \"MYD021KM.A2018174.1645.006.2018178192828.hdf\"\n END_OBJECT INPUTGRANULEPOINTER\n\n END_OBJECT = INPUTGRANULECONTAINER\n\n **OBJECT** INPUTGRANULECONTAINER\n **CLASS** = \"3\"\n\n OB 1FCT INPUTGRANULEPOINTER\n **CLASS** = \"3\"\n NUM VAL 1\n VALUE = \"MYD35 L2.A2018174.1645.006.2018178193220.hdf\"\n END OBJECT INPUTGRANULEPOINTER\n\n END OBJECT = INPUTGRANULECONTAINER\n\n **OBJECT** INPUTGRANULECONTAINER\n $= \''4\'' \n\n$ CLASS **OBJECT** = \"4\"\n INPUTGRANULEPOINTER\n **CLASS** NUM VAI = 1\n \"MYD07 L2.A2018174.1645.006.2018178193238.hdf\"\n END OBJECT VAI UF INPUTGRANULEPOINTER\n\n END OBJECT = INPUTGRANULECONTAINER\n\n **OBJECT** INPUTGRANULECONTAINER\n CLASS $= \"5\"\n\n$ **OBJECT** = \"5\"\n INPUTGRANULEPOINTER\n **CLASS** NUM VAL $= 1 \n$ END_OBJECT = \"MYD03.A2018174.0545.006.2018178191727.hdf\"\n VALUE INPUTGRANULEPOINTER\n\n END OBJECT = INPUTGRANULECONTAINER\n\n **OBJECT** INPUTGRANULECONTAINER\n **CLASS** $= \''6\'' \n\n$ OBJECT = \"6\"\n INPUTGRANULEPOINTER\n **CLASS** NUM VAL 1\n = \"MYD021KM.A2018174.0545.006.2018178193100.hdf\"\n VALUE END OBJECT = INPUTGRANULECONTAINER\n\n INPUTGRANULEPOINTER\n\n END OBJECT OBJECT INPUTGRANULECONTAINER\n CLASS $= \"7\"\n\n$ OBJECT INPUTGRANULEPOINTER\n = \"7\"\n **CLASS** NUM VAL = 1 n= \"MYD35_L2.A2018174.0545.006.2018178193610.hdf\"\n **VALUE** END_OBJECT

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Javea.	7/1/10,	11.03.33 All				<u>'</u>	TINCCU TOT.	Dati d ati
129		INPUTGRANULEPOINTER\n\n	END_OBJECT	=	INPUTGRANULECONTAINER	{\n\n 0B	JECT	=
		INPUTGRANULECONTAINER\n	CLASS		\"8\"\n\n	=	=	
		INPUTGRANULEP0INTER\n	CLASS		\"8\"\n NUM_VA		= 1\n	
					2018178204344.hdf\"\r		OBJECT	=
			END_OBJECT		INPUTGRANULECONTAINER	• •	JECT	=
		INPUTGRANULECONTAINER\n	CLASS		\"9\"\n\n		=	
		INPUTGRANULEPOINTER\n	CLASS		\"9\"\n NUM_VA		= 1\n	
					2018178193640.hdf\"\r		OBJECT	= _
		INPUTGRANULEPOINTER\n\n INPUTGRANULECONTAINER\n	END_OBJECT CLASS		INPUTGRANULECONTAINER \"10\"\n\n OBJEC		JECT =	=
		INPUTGRANULEPOINTER\n	CLASS		\"10\\"\n NUM_\		= 1\n	
••		-	D03.A2018174.1640.0			END_OBJ		=
			END_OBJECT		INPUTGRANULECONTAINER		JECT	=
		INPUTGRANULECONTAINER\n	CLASS		\"11\"\n\n		=	
		INPUTGRANULEPOINTER\n	CLASS		\"11\"\n NUM_\		= 1\n	
				0.006.	2018178192753.hdf\"\r	i END_	OBJECT	=
		INPUTGRANULEPOINTER\n\n	END_OBJECT		INPUTGRANULECONTAINER		JECT	=
		INPUTGRANULECONTAINER\n	CLASS		\"12\"\n\n		=	
		INPUTGRANULEP0INTER\n	CLASS		\"12\"\n NUM_\		= 1\n	
					2018178193309.hdf\"\r		OBJECT	=
			END_OBJECT		INPUTGRANULECONTAINER		JECT	=
		INPUTGRANULECONTAINER\n INPUTGRANULEPOINTER\n	CLASS CLASS		\"13\"\n\n OBJE(\"13\"\n NUM_\		= = 1\n	
		· · · · · · · · · · · · · · · · · · ·			\"13\"\n NUM_\ 2018178193338.hdf\"\r		OBJECT	_
			END_OBJECT		INPUTGRANULECONTAINER		JECT	
		INPUTGRANULECONTAINER\n	CLASS		\"14\"\n\n		=	_
		INPUTGRANULEPOINTER\n	CLASS		\"14\"\n NUM_\		= 1\n	
			D03.A2018174.1820.0			END_OBJ		=
			END_OBJECT		INPUTGRANULECONTAINER		JECT	=
		INPUTGRANULECONTAINER\n	CLASS		\"15\"\n\n		=	
		INPUTGRANULEP0INTER\n	CLASS	=	\"15\"\n NUM_\	'AL	= 1\n	
		VALUE = \"MY	D021KM.A2018174.182	0.006.	2018178193021.hdf\"\r	i END_	OBJECT .	=
			END_OBJECT		INPUTGRANULECONTAINER		JECT	=
		INPUTGRANULECONTAINER\n	CLASS		\"16\"\n\n		=	
		INPUTGRANULEPOINTER\n	CLASS		\"16\"\n NUM_\		= 1\n	
					2018178193633.hdf\"\r		OBJECT	=
			END_OBJECT		INPUTGRANULECONTAINER		JECT	=
		INPUTGRANULECONTAINER\n INPUTGRANULEPOINTER\n	CLASS CLASS		\"17\"\n\n		= = 1\n	
					\"17\"\n NUM_\ 2018178193702.hdf\"\r		OBJECT	=
			END_OBJECT		INPUTGRANULECONTAINER		GROUP	=
		INPUTGRANULE\n\n GROUP			ULEID\n\n OBJECT	· (II (II	=	_
		LOCAL TNPHTGRANIII FTD\n	NIIM VAI	= 1\		=		
		\"1645,0545,1640,1820\"\n INPUTGRANULEID\n\n GROUP LOOKUPTABLECONTAINER\n	END OBJECT		= LOCALINPUTGRANULEI	\n\n END	GR0UP	=
		INPUTGRANULEID\n\n GROUP	= L	00KUPT	ABLE\n\n OBJECT		=	
		LOOKUPTABLECONTAINER\n	CLASS	= \	"1\"\n\n		=	
		LOOKUPTABLETYPE\n CL	ASS :	= \"1\	."\n NUM_VAL		= 1\n	VALUE
		= \"Land-cover based band e	missivity database\	''\n	END_OBJECT		KUPTABLETYPE	
			OKUPTABLEPOINTER\n		CLASS	= \"1\"\n	_	_VAL
		= 1\n VALUE	= \"band_emi			= .\p		
		LOOKUPTABLEPOINTER\n\n E LOOKUPTABLECONTAINER\n	ND_OBJECT	= L	.00KUPTABLECONTAINER\r ."2\"\n\n	ı∖n OBJE		=
			CLASS ASS		."2\"\n\n		= = 1\n	VALUE
		= \"the generalized split-w	indow LST coefficie	۱ ک ۱"\nts	n FND OBJECT	=	L00KUPTABLE	
		OBJECT = LO	OKUPTABLEPOINTER\n		CLASS	= \"2\"\n		
		= 1\n VALUE	= \"lst_coef				L00KUPTABLEP	_
			OKUPTABLECONTAINER\				ABLE\n\n OB	
		= PROCESSINGCENTER\n NUM	_VAL =		_ VALUE		PS\"\n END_	
		= PROCESSINGCENTER\n\n OBJ	ECT			NUM_VAL		- 1\n
		VALUE = \"20	18-07-03T00:17:10.0	00Z\"\	n END_OBJECT	= PR0	CESSINGDATET	IME\n\n
		GROUP = BC	UNDINGRECTANGLE\n\n	0E			NDINGCOORDIN	
		NUM_VAL = 1\n			= -20.004166666667	-	BJECT	=
		NORTHBOUNDINGCOORDINATE\n\n		2222	= SOUTHBOUNDINGCOOF		NUM_VAL	
		= 1\n VALUE	= -29.99583333	33333\		= \TNATC\ =	NILINA STAT	
		SOUTHBOUNDINGCOORDINATE\n\n		E112\	= EASTBOUNDINGCOORD		NUM_VAL	
		= 1\n VALUE	= 127.01222868			= 'NATE\ n	NIIM MAI	
		EASTBOUNDINGCOORDINATE\n\n = 1\n VALUE	= 106.41899536		= WESTBOUNDINGCOORDI END OBJECT	.NATE\N =	NUM_VAL	
		WESTBOUNDINGCOORDINATE\n\n	END CDOUD		: BOUNDINGRECTANGLE\n\			=
		SPSOPARAMETERS\n NUM_VAL		V۸			3323\"\n E	
		- ,	2 (= *			. , ,	

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129...
            = SPSOPARAMETERS\n\n OBJECT
                                                          = PROCESSINGENVIRONMENT\n
                                                                                       NUM_VAL
                                                                                                            = 1\n
                                  = \"Linux minion7041 3.10.0-693.21.1.el7.x86_64 #1 SMP Wed Mar 7 19:03:37 UTC 2018
            x86_64 x86_64 x86_64 GNU/Linux\"\n END_0BJECT
                                                                        = PROCESSINGENVIRONMENT\n\n OBJECT
  ...
            = DESCRREVISION\n
                                 NUM_VAL
                                                                                     = \"6.0\"\n END_OBJECT
                                                       = 1\n
                                                                VALUE
            = DESCRREVISION\n\nEND_GROUP
                                                       = ARCHIVEDMETADATA\n\nEND\n";
            :identifier_product_doi = "10.5067/MODIS/MYD11A1.006";
130
131
            :identifier_product_doi_authority = "http://dx.doi.org";
132
133
```

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