

=====
CONTENTS:

1. INTRODUCTION
2. DATA COMMENTS
3. MERGE VARIABLES
4. FILES USED TO CREATE MERGE

=====
INTRODUCTION:

These merges were created using the data in the NASA DC3 archive (<http://www-air.larc.nasa.gov>) as of May 25, 2017. Files were created for DC3 flights 1-22 on the GV aircraft. Names of the merge files are as:

```
dataID_locationID_YYYYMMDD_R#[_comments].extension
    where dataID="dc3-mrg10-gV" for 10-second merge on the GV
aircraft (note that the timestamp represents the start of the interval)
locationID="merge"
YYYYMMDD=aircraft flight date
R#=R0, R1, or appropriate revision number
[_comments] = optional comments
extension = ict
```

In addition, a "grand merge" has been provided. This includes data from all the individual merged flights throughout the mission. This grand merge will follow the name convention above (i.e. "dc3-mrg10-gV_merge_20120518_R1_thru20120630.ict", with the comment "_thru20120630" indicating the last flight date included).

If any portion of the averaging period contains a Limit of Detection (LOD) value for a given measurement, the average is marked with an LOD flag. For the merge, all missing data = -999999, Lower LOD=-888888 and Upper LOD=-777777.

The merge is in the ICARTT format. Information on the LOD values are included in the header of the individual flight merges. This information is not included in the merges because calculation varies from flight to flight and species to species.

In some cases, variable names have been amended (e.g. to clarify the PI in the case of duplicate measurements). Additionally, units have been standardized throughout the merge. See below for the specific variable name or unit changes.

We welcome any comments and suggestions for making the merges as user-friendly as possible. Please direct any feedback to Michael Shook (michael.shook@nasa.gov, 757-864-5793) with a cc to Jennifer Olson (jennifer.r.olson@nasa.gov, 757-864-5327) or Gao Chen (Gao.Chen@nasa.gov, 757-864-2290).

=====

DATA COMMENTS:

R0 changes:

-Merge files now incorporate data added/modified by PIs as of January 28, 2013.

R1 changes:

-Merge files now incorporate data added/modified by PIs as of February 01, 2013.

R2 changes:

-Merge files now incorporate data added/modified by PIs as of April 01, 2013.

-Removed dc3-CAMS-CH2O_GV_20120611_R0_1sec.ict from the merge (no valid data in the file).

-Removed individual bin variables (e.g. from dc3-SMPS).

-All versions of the merge now use the dc3-CAMS-CH2O 1-second data (no 60-second data was included).

-Changed some variables' names and units to clarify and standardize throughout the merge.

-Changed order of variables in the merge.

R3 changes:

-Merge files now incorporate data added/modified by PIs as of September 24, 2013.

R4 changes:

-Merge files now incorporate data added/modified by PIs as of November 18, 2013 (updated files include DC3-CAMS-CH2O and DC3-PEROXIDES).

-Renamed DC3-RAF-NAV THETA variable to THETA-NAV to eliminate confusion with calculated theta.

R5 changes:

-Merge files now incorporate data added/modified by PIs as of June 12, 2014 (updated files include DC3-TOGA and DC3-CO datasets).

-Updated the processing for OMI O3 column data (now interpolates missing data within a larger domain, replaces missing data with -9999s instead of 0s).

R6 changes:

-Merge files now incorporate data added/modified by PIs as of May 25, 2017.

-Updated datasets include RAF-AEROSOL, RAF-CLOUDS, RAF-NAV, CO, and CO2CH4.

=====
DC3-GV MERGE VARIABLES
(variables listed in order of merge)

VARIABLE NAME,Unit Conversion (if changed)*,Original Name (if changed),DATA ID

-----,-----,-----,-----,-----

- 1.UTC, ("seconds" to "s"), Start.UTC, DC3-RAF-NAV
- 2.JDAY, , ,
- 3.INDEX, , ,
- 4.FLIGHT, , ,
- 5.LOCAL_SUN_TIME, , ,
- 6.LATITUDE, ("degree_N" to "deg"), GGLAT, DC3-RAF-NAV
- 7.LONGITUDE, ("degree_E" to "deg"), GGLON, DC3-RAF-NAV
- 8.ALTP, ("m" to "km"), PALT, DC3-RAF-NAV
- 9.PRESSURE, , PSXC, DC3-RAF-NAV
- 10.TEMPERATURE, ("deg_C" to "K"), ATX, DC3-RAF-NAV
- 11.THETA, , ,
- 12.O3COLUMN, , ,
- 13.SZA, , ,
- 14.WNS, , WSC, DC3-RAF-NAV
- 15.WND, ("degree_T" to "deg"), WDC, DC3-RAF-NAV
- 16.GPS_ALT, ("m" to "km"), GGALT, DC3-RAF-NAV
- 17.Dewpoint, ("deg_C" to "K"), DPXC, DC3-RAF-NAV
- 18.U, ("m/s" to "m s-1"), UIC, DC3-RAF-NAV
- 19.V, ("m/s" to "m s-1"), VIC, DC3-RAF-NAV
- 20.W, ("m/s" to "m s-1"), WIC, DC3-RAF-NAV
- 21.Theta-Nav, , THETA, DC3-RAF-NAV
- 22.ThetaE, , THETA_E, DC3-RAF-NAV
- 23.Pitch, ("degree" to "degs"), PITCH, DC3-RAF-NAV
- 24.Roll, ("degree" to "degs"), ROLL, DC3-RAF-NAV
- 25.HDG, ("degree_T" to "degs"), THDG, DC3-RAF-NAV
- 26.GRD_SPD, , GGSPD, DC3-RAF-NAV
- 27.CabinPressure, , PCAB, DC3-RAF-NAV
- 28.CabinTemperature, ("deg_C" to "K"), TCAB, DC3-RAF-NAV
- 29.GFS_TROP_HGT, ("m" to "km"), , DC3-GFS-FNL-TROP
- 30.GFS_TROP_PRESS, ("Pa" to "hPa"), , DC3-GFS-FNL-TROP
- 31.GFS_TROP_TEMP, , , DC3-GFS-FNL-TROP
- 32.GFS_2PVU_HGT, ("m" to "km"), , DC3-GFS-FNL-TROP
- 33.GFS_2PVU_PRESS, ("Pa" to "hPa"), , DC3-GFS-FNL-TROP
- 34.GFS_2PVU_TEMP, , , DC3-GFS-FNL-TROP
- 35.H2O_numDensity_VCSEL, ("molec/cm3" to "# cm-3"), ND_H2O, dc3-VCSELwatervapor
- 36.H2O_MixingRatio_VCSEL, ("ppm" to "ppmv"), X_H2O, dc3-VCSELwatervapor
- 37.CH2O_CAMS, ("CH2O_CAMS_pptv" to "pptv"), CH2O_CAMS_pptv, DC3-CAMS-CH2O
- 38.CO2, , , dc3-CO2CH4
- 39.Methane, , , dc3-CO2CH4
- 40.CO, , , dc3-CO
- 41.NO, , , dc3-NONO2O3
- 42.NO2, , , dc3-NONO2O3
- 43.O3, , , dc3-NONO2O3
- 44.H2O2, , , DC3-PEROXIDES
- 45.CH3OOH, , , DC3-PEROXIDES
- 46.HCl_GTCIMS, , HCl, DC3-GTCIMS-HClHNO4
- 47.HNO4_GTCIMS, , HNO4, DC3-GTCIMS-HClHNO4
- 48.SO2_GTCIMS, , SO2, DC3-GTCIMS-SO2HNO3
- 49.HNO3_GTCIMS, , HNO3, DC3-GTCIMS-SO2HNO3
- 50.CONC-2DC_ge100um_RAF, ("#/L" to "# L-1"), CONC1DC100_LWIO, DC3-RAF-CLOUDS
- 51.CONC-2DC_ge150um_RAF, ("#/L" to "# L-1"), CONC1DC150_LWIO, DC3-RAF-CLOUDS

52. CONC-2DC_RAF, ("#/L" to "# L-1"), CONC1DC_LWIO, DC3-RAF-CLOUDS
53. 2DC_MeanParticleD_RAF, ("um" to "km"), DBAR1DC_LWIO, DC3-RAF-CLOUDS
54. 2DC_PLWC_RAF, ("gram/m3" to "g m-3"), PLWC1DC_LWIO, DC3-RAF-CLOUDS
55. CONC-CDP_RAF, ("#/cm3" to "# cm-3"), CONCD_LWII, DC3-RAF-CLOUDS
56. CDP_MeanParticleD_RAF, ("um" to "km"), DBARD_LWII, DC3-RAF-CLOUDS
57. CDP_PLWCD_RAF, ("gram/m3" to "g m-3"), PLWCD_LWII, DC3-RAF-CLOUDS
58. CWC_CUTOTAL, ("g/(m^3)" to "g m-3"), CWC, dc3-CUTOTAL-H2O
59. CONC-UHSAS_ge100nm_RAF, ("#/cm3" to "# cm-3"), CONCU100_LWOI, DC3-RAF-AEROSOL
60. CONC-UHSAS_ge500nm_RAF, ("#/cm3" to "# cm-3"), CONCU500_LWOI, DC3-RAF-AEROSOL
61. CONC-UHSAS_all_RAF, ("#/cm3" to "# cm-3"), CONCU_LWOI, DC3-RAF-AEROSOL
62. UHSAS_MeanParticleD_RAF, ("um" to "km"), DBARU_LWOI, DC3-RAF-AEROSOL
63. CONC-CN_RAF, ("#/cm3" to "# cm-3"), CONCN, DC3-RAF-AEROSOL
64. IntegN_Dmob_SMPS, ("integrated particle counts in number per cm3" to "# cm-3"), integrated_N, dc3-smps
65. J[O3->O2+O(1D)], ("/s" to "s-1"), , DC3-HARP
66. J[NO2->NO+O(3P)], ("/s" to "s-1"), , DC3-HARP
67. J[N2O5->NO3+NO2], ("/s" to "s-1"), , DC3-HARP
68. J[H2O2->2OH], ("/s" to "s-1"), , DC3-HARP
69. J[HNO2->OH+NO], ("/s" to "s-1"), , DC3-HARP
70. J[HNO3->OH+NO2], ("/s" to "s-1"), , DC3-HARP
71. J[CH2O->H+HCO], ("/s" to "s-1"), , DC3-HARP
72. J[CH2O->H2+CO], ("/s" to "s-1"), , DC3-HARP
73. J[CH3CHO->CH3+HCO], ("/s" to "s-1"), , DC3-HARP
74. J[C2H5CHO->C2H5+HCO], ("/s" to "s-1"), , DC3-HARP
75. J[CHOCHO->CH2O+CO], ("/s" to "s-1"), , DC3-HARP
76. J[CHOCHO->HCO+HCO], ("/s" to "s-1"), , DC3-HARP
77. J[CHOCHO->H2+2CO], ("/s" to "s-1"), , DC3-HARP
78. J[CH3COCHO->products], ("/s" to "s-1"), , DC3-HARP
79. J[CH3COCH3->CH3CO+CH3], ("/s" to "s-1"), , DC3-HARP
80. J[CH3OOH->CH3O+OH], ("/s" to "s-1"), , DC3-HARP
81. J[CH3ONO2->CH3O+NO2], ("/s" to "s-1"), , DC3-HARP
82. J[PAN->CH3COO2+NO2], ("/s" to "s-1"), , DC3-HARP
83. J[CH3CH2CH2CHO->C3H7+HCO], ("/s" to "s-1"), , DC3-HARP
84. J[CH3CH2CH2CHO->C2H4+CH2CHOH], ("/s" to "s-1"), , DC3-HARP
85. J[CH3COCH2CH3->Products], ("/s" to "s-1"), , DC3-HARP
86. J[CH3CH2ONO2->Products], ("/s" to "s-1"), , DC3-HARP
87. J[HO2NO2->HO2+NO2], ("/s" to "s-1"), , DC3-HARP
88. J[HO2NO2->OH+NO3], ("/s" to "s-1"), , DC3-HARP
89. J[BrCl->Br+Cl], ("/s" to "s-1"), , DC3-HARP
90. J[HOBr->HO+Br], ("/s" to "s-1"), , DC3-HARP
91. J[BrO->Br+O], ("/s" to "s-1"), , DC3-HARP
92. J[Br2->Br+Br], ("/s" to "s-1"), , DC3-HARP
93. J[Br2O->Products], ("/s" to "s-1"), , DC3-HARP
94. J[BrONO2->Br+NO3], ("/s" to "s-1"), , DC3-HARP
95. J[BrONO2->BrO+NO2], ("/s" to "s-1"), , DC3-HARP
96. J[ClONO2->Cl+NO3], ("/s" to "s-1"), , DC3-HARP
97. J[ClONO2->ClO+NO2], ("/s" to "s-1"), , DC3-HARP
98. J[Cl2->Cl+Cl], ("/s" to "s-1"), , DC3-HARP
99. CH2O_TOGA, , CH2O, DC3-TOGA
100. i_Butane_TOGA, , i_Butane, DC3-TOGA
101. Methyl_Chloride_TOGA, , Methyl_Chloride, DC3-TOGA
102. Acetaldehyde_TOGA, , Acetaldehyde, DC3-TOGA

103.n_Butane_TOGA,,n_Butane,DC3-TOGA
 104.1_3_Butadiene_TOGA,,1_3_Butadiene,DC3-TOGA
 105.i-and1-Butene_TOGA,,i-Butene+1-Butene,DC3-TOGA
 106.i-Butene_TOGA,,i-Butene,DC3-TOGA
 107.Methyl_Bromide_TOGA,,Methyl_Bromide,DC3-TOGA
 108.i_Pentane_TOGA,,i_Pentane,DC3-TOGA
 109.Methanol_TOGA,,Methanol,DC3-TOGA
 110.n_Pentane_TOGA,,n_Pentane,DC3-TOGA
 111.Isoprene_TOGA,,Isoprene,DC3-TOGA
 112.2_Methylpentane_TOGA,,2_Methylpentane,DC3-TOGA
 113.n_Hexane_TOGA,,n_Hexane,DC3-TOGA
 114.Ethanol_TOGA,,Ethanol,DC3-TOGA
 115.Propanal_TOGA,,Propanal,DC3-TOGA
 116.DMS_TOGA,,DMS,DC3-TOGA
 117.Methyl_Iodide_TOGA,,Methyl_Iodide,DC3-TOGA
 118.Acetone_TOGA,,Acetone,DC3-TOGA
 119.Dichloromethane_TOGA,,Dichloromethane,DC3-TOGA
 120.CH3CN_TOGA,,CH3CN,DC3-TOGA
 121.MTBE_TOGA,,MTBE,DC3-TOGA
 122.MACR_TOGA,,MACR,DC3-TOGA
 123.MVK_TOGA,,MVK,DC3-TOGA
 124.Butanal_TOGA,,Butanal,DC3-TOGA
 125.MEK_TOGA,,MEK,DC3-TOGA
 126.Chloroform_TOGA,,Chloroform,DC3-TOGA
 127.MBO_TOGA,,MBO,DC3-TOGA
 128.Dibromomethane_TOGA,,Dibromomethane,DC3-TOGA
 129.Chloriodomethane_TOGA,,Chloriodomethane,DC3-TOGA
 130.Carbon_Tetrachloride_TOGA,,Carbon_Tetrachloride,DC3-TOGA
 131.Benzene_TOGA,,Benzene,DC3-TOGA
 132.n_Heptane_TOGA,,n_Heptane,DC3-TOGA
 133.Pentanal_TOGA,,Pentanal,DC3-TOGA
 134.2_Pentanone_TOGA,,2_Pentanone,DC3-TOGA
 135.Toluene_TOGA,,Toluene,DC3-TOGA
 136.Dibromochloromethane_TOGA,,Dibromochloromethane,DC3-TOGA
 137.Ethylbenzene_m_p_Xylene_TOGA,,Ethylbenzene_m_p_Xylene,DC3-TOGA
 138.o_Xylene_TOGA,,o_Xylene,DC3-TOGA
 139.Bromoform_TOGA,,Bromoform,DC3-TOGA
 140.Benzaldehyde_TOGA,,Benzaldehyde,DC3-TOGA
 141.Diiodomethane_TOGA,,Diiodomethane,DC3-TOGA
 142.Alpha_Pinene_TOGA,,Alpha_Pinene,DC3-TOGA
 143.Camphene_TOGA,,Camphene,DC3-TOGA
 144.Beta_Pinene_TOGA,,Beta_Pinene,DC3-TOGA
 145.Limonene_TOGA,,Limonene,DC3-TOGA
 146.HCN_TOGA,,HCN,DC3-TOGA
 147.Acrolein_TOGA,,Acrolein,DC3-TOGA
 148.Propene_TOGA,,Propene,DC3-TOGA
 *The "Unit Conversion" field shows one unit "to" another unit contained in parentheses (e.g. "(degC to K)") if the units changed between the PI data and the merge file at all, even if just the case differs. If the units of a variable changed but no conversion was necessary, the unit text was changed or clarified from that in the raw file (e.g. to standardize units across a variable/measurement type). Where the field is empty, no unit change was made from the raw file.

=====

FILES USED TO CREATE MERGE:
(files listed in alphabetical order)

FILE NAME,DATE UPLOADED/MODIFIED (YYYY-MM-DD)

DC3-CAMS-CH20_GV_20120518_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120519_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120521_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120525_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120526_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120529_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120530_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120601_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120605_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120606_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120607_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120611_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120615_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120616_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120617_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120621_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120622_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120623_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120625_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120627_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120628_R1.ict,2013-11-15
DC3-CAMS-CH20_GV_20120630_R1.ict,2013-11-15
dc3-CO2CH4_GV_20120518_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120519_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120521_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120525_R1.ict,2016-07-13
dc3-CO2CH4_GV_20120526_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120529_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120530_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120601_R1.ict,2016-07-13
dc3-CO2CH4_GV_20120605_R1.ict,2016-07-13
dc3-CO2CH4_GV_20120606_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120607_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120611_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120615_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120616_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120617_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120621_R0.ict,2013-01-31
dc3-CO2CH4_GV_20120622_R1.ict,2013-01-31
dc3-CO2CH4_GV_20120623_R1.ict,2013-01-31
dc3-CO2CH4_GV_20120625_R1.ict,2013-01-31
dc3-CO2CH4_GV_20120627_R1.ict,2013-01-31
dc3-CO2CH4_GV_20120628_R1.ict,2013-01-31
dc3-CO2CH4_GV_20120630_R1.ict,2013-01-31
dc3-CO_GV_20120518_R1.ict,2013-09-04
dc3-CO_GV_20120519_R1.ict,2013-09-04

dc3-CO_GV_20120521_R1.ict,2013-09-04
dc3-CO_GV_20120525_R2.ict,2016-07-13
dc3-CO_GV_20120526_R1.ict,2013-09-04
dc3-CO_GV_20120529_R1.ict,2013-09-04
dc3-CO_GV_20120530_R1.ict,2013-09-04
dc3-CO_GV_20120601_R2.ict,2016-07-13
dc3-CO_GV_20120605_R2.ict,2016-07-13
dc3-CO_GV_20120606_R1.ict,2013-09-04
dc3-CO_GV_20120607_R1.ict,2013-09-04
dc3-CO_GV_20120611_R1.ict,2013-09-04
dc3-CO_GV_20120615_R1.ict,2013-09-04
dc3-CO_GV_20120616_R1.ict,2013-09-04
dc3-CO_GV_20120617_R1.ict,2013-09-04
dc3-CO_GV_20120621_R1.ict,2013-09-04
dc3-CO_GV_20120622_R2.ict,2014-04-21
dc3-CO_GV_20120623_R2.ict,2014-04-21
dc3-CO_GV_20120625_R2.ict,2014-04-21
dc3-CO_GV_20120627_R2.ict,2014-04-21
dc3-CO_GV_20120628_R2.ict,2014-04-21
dc3-CO_GV_20120630_R2.ict,2014-04-21
dc3-CUTOTAL-H2O_GV_20120518_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120519_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120521_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120525_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120526_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120529_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120530_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120601_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120605_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120606_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120607_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120611_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120615_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120616_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120617_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120622_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120623_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120625_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120627_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120628_R1.ICT,2013-05-22
dc3-CUTOTAL-H2O_GV_20120630_R1.ICT,2013-05-22
DC3-GFS-FNL-TROP_GV_20120518_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120519_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120521_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120525_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120526_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120529_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120530_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120601_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120605_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120606_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120607_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120611_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120615_R0.ict,2013-03-12

DC3-GFS-FNL-TROP_GV_20120616_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120617_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120621_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120622_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120623_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120625_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120627_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120628_R0.ict,2013-03-12
DC3-GFS-FNL-TROP_GV_20120630_R0.ict,2013-03-12
DC3-GTCIMS-HC1HNO4_GV_20120514_R1.ICT,2013-07-05
DC3-GTCIMS-HC1HNO4_GV_20120518_R1.ICT,2013-07-07
DC3-GTCIMS-HC1HNO4_GV_20120519_R1.ICT,2013-07-05
DC3-GTCIMS-HC1HNO4_GV_20120521_R1.ICT,2013-07-05
DC3-GTCIMS-HC1HNO4_GV_20120525_R2.ICT,2013-07-07
DC3-GTCIMS-HC1HNO4_GV_20120526_R1.ICT,2013-07-05
DC3-GTCIMS-HC1HNO4_GV_20120529_R1.ICT,2013-07-05
DC3-GTCIMS-HC1HNO4_GV_20120530_R1.ICT,2013-07-05
DC3-GTCIMS-HC1HNO4_GV_20120601_R1.ICT,2013-07-07
DC3-GTCIMS-HC1HNO4_GV_20120605_R2.ICT,2013-07-07
DC3-GTCIMS-HC1HNO4_GV_20120606_R1.ICT,2013-07-07
DC3-GTCIMS-HC1HNO4_GV_20120607_R1.ICT,2013-07-07
DC3-GTCIMS-HC1HNO4_GV_20120611_R1.ICT,2013-07-07
DC3-GTCIMS-HC1HNO4_GV_20120615_R1.ICT,2013-07-06
DC3-GTCIMS-HC1HNO4_GV_20120616_R1.ICT,2013-07-07
DC3-GTCIMS-HC1HNO4_GV_20120617_R1.ICT,2013-07-07
DC3-GTCIMS-HC1HNO4_GV_20120625_R1.ICT,2013-07-07
DC3-GTCIMS-HC1HNO4_GV_20120627_R1.ICT,2013-07-07
DC3-GTCIMS-HC1HNO4_GV_20120628_R1.ICT,2013-07-07
DC3-GTCIMS-HC1HNO4_GV_20120630_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120511_R1.ICT,2013-07-04
DC3-GTCIMS-SO2HNO3_GV_20120514_R1.ICT,2013-07-05
DC3-GTCIMS-SO2HNO3_GV_20120518_R1.ICT,2013-07-05
DC3-GTCIMS-SO2HNO3_GV_20120519_R1.ICT,2013-07-05
DC3-GTCIMS-SO2HNO3_GV_20120521_R1.ICT,2013-07-05
DC3-GTCIMS-SO2HNO3_GV_20120525_R2.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120526_R1.ICT,2013-07-05
DC3-GTCIMS-SO2HNO3_GV_20120529_R1.ICT,2013-07-05
DC3-GTCIMS-SO2HNO3_GV_20120530_R1.ICT,2013-07-05
DC3-GTCIMS-SO2HNO3_GV_20120601_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120605_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120606_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120607_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120611_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120615_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120616_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120617_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120621_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120622_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120623_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120625_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120627_R2.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120628_R1.ICT,2013-07-07
DC3-GTCIMS-SO2HNO3_GV_20120630_R1.ICT,2013-07-07
DC3-HARP_GV_20120501_R1.ict,2013-08-08

DC3-HARP_GV_20120503_R1.ict,2013-08-08
DC3-HARP_GV_20120511_R1.ict,2013-08-08
DC3-HARP_GV_20120514_R1.ict,2013-08-08
DC3-HARP_GV_20120518_R1.ict,2013-08-08
DC3-HARP_GV_20120519_R1.ict,2013-08-08
DC3-HARP_GV_20120521_R1.ict,2013-08-08
DC3-HARP_GV_20120525_R1.ict,2013-08-08
DC3-HARP_GV_20120526_R1.ict,2013-08-08
DC3-HARP_GV_20120529_R1.ict,2013-08-08
DC3-HARP_GV_20120530_R1.ict,2013-08-08
DC3-HARP_GV_20120601_R1.ict,2013-08-08
DC3-HARP_GV_20120605_R1.ict,2013-08-08
DC3-HARP_GV_20120606_R1.ict,2013-08-08
DC3-HARP_GV_20120607_R1.ict,2013-08-08
DC3-HARP_GV_20120611_R1.ict,2013-08-08
DC3-HARP_GV_20120615_R1.ict,2013-08-08
DC3-HARP_GV_20120616_R1.ict,2013-08-08
DC3-HARP_GV_20120617_R1.ict,2013-08-08
DC3-HARP_GV_20120621_R1.ict,2013-08-08
DC3-HARP_GV_20120622_R1.ict,2013-08-08
DC3-HARP_GV_20120623_R1.ict,2013-08-08
DC3-HARP_GV_20120625_R1.ict,2013-08-08
DC3-HARP_GV_20120627_R1.ict,2013-08-08
DC3-HARP_GV_20120628_R1.ict,2013-08-08
DC3-HARP_GV_20120630_R1.ict,2013-08-08
dc3-NONO2O3_GV_20120511_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120514_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120518_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120519_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120521_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120525_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120526_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120529_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120530_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120601_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120605_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120606_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120607_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120611_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120615_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120616_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120617_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120621_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120622_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120623_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120625_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120627_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120628_R2.ict,2013-06-30
dc3-NONO2O3_GV_20120630_R2.ict,2013-06-30
DC3-PEROXIDES_GV_20120518_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120519_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120521_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120525_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120526_R3.ICT,2013-10-17

DC3-PEROXIDES_GV_20120529_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120530_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120601_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120605_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120606_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120607_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120611_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120615_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120616_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120617_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120621_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120622_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120623_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120625_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120627_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120628_R3.ICT,2013-10-17
DC3-PEROXIDES_GV_20120630_R3.ICT,2013-10-17
DC3-RAF-AEROSOL_GV_20120518_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120519_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120521_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120525_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120526_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120529_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120530_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120601_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120605_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120606_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120607_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120611_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120615_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120616_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120617_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120621_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120622_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120623_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120625_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120627_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120628_R2.ICT,2017-05-08
DC3-RAF-AEROSOL_GV_20120630_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120518_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120519_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120521_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120525_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120526_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120529_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120530_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120601_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120605_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120606_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120607_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120611_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120615_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120616_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120617_R2.ICT,2017-05-08

DC3-RAF-CLOUDS_GV_20120621_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120622_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120623_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120625_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120627_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120628_R2.ICT,2017-05-08
DC3-RAF-CLOUDS_GV_20120630_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120518_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120519_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120521_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120525_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120526_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120529_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120530_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120601_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120605_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120606_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120607_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120611_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120615_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120616_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120617_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120621_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120622_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120623_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120625_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120627_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120628_R2.ICT,2017-05-08
DC3-RAF-NAV_GV_20120630_R2.ICT,2017-05-08
dc3-smgs_GV_20120514_R0.ict,2013-01-20
dc3-smgs_GV_20120518_R1.ict,2013-06-26
dc3-smgs_GV_20120519_R1.ict,2013-06-26
dc3-smgs_GV_20120521_R1.ict,2013-06-26
dc3-smgs_GV_20120525_R1.ict,2013-06-26
dc3-smgs_GV_20120526_R1.ict,2013-06-26
dc3-smgs_GV_20120529_R1.ict,2013-06-26
dc3-smgs_GV_20120530_R1.ict,2013-06-26
dc3-smgs_GV_20120601_R1.ict,2013-06-26
dc3-smgs_GV_20120605_R1.ict,2013-06-26
dc3-smgs_GV_20120606_R1.ict,2013-06-26
dc3-smgs_GV_20120607_R1.ict,2013-06-26
dc3-smgs_GV_20120611_R1.ict,2013-06-26
dc3-smgs_GV_20120615_R1.ict,2013-06-26
dc3-smgs_GV_20120616_R1.ict,2013-06-26
dc3-smgs_GV_20120617_R1.ict,2013-06-26
dc3-smgs_GV_20120621_R1.ict,2013-06-26
dc3-smgs_GV_20120622_R1.ict,2013-06-26
dc3-smgs_GV_20120623_R1.ict,2013-06-26
dc3-smgs_GV_20120625_R1.ict,2013-06-26
dc3-smgs_GV_20120627_R1.ict,2013-06-26
dc3-smgs_GV_20120628_R1.ict,2013-06-26
dc3-smgs_GV_20120630_R1.ict,2013-06-26
DC3-TOGA_GV_20120514_R1.ict,2013-06-29
DC3-TOGA_GV_20120518_R2.ict,2013-12-18

DC3-TOGA_GV_20120519_R2.ict,2013-12-18
DC3-TOGA_GV_20120521_R2.ict,2013-12-18
DC3-TOGA_GV_20120525_R2.ict,2013-12-18
DC3-TOGA_GV_20120526_R2.ict,2013-12-18
DC3-TOGA_GV_20120529_R2.ict,2013-12-18
DC3-TOGA_GV_20120530_R2.ict,2013-12-18
DC3-TOGA_GV_20120601_R2.ict,2013-12-18
DC3-TOGA_GV_20120605_R2.ict,2013-12-18
DC3-TOGA_GV_20120606_R2.ict,2013-12-18
DC3-TOGA_GV_20120607_R2.ict,2013-12-18
DC3-TOGA_GV_20120611_R2.ict,2013-12-18
DC3-TOGA_GV_20120615_R2.ict,2013-12-18
DC3-TOGA_GV_20120616_R2.ict,2013-12-18
DC3-TOGA_GV_20120617_R2.ict,2013-12-18
DC3-TOGA_GV_20120621_R2.ict,2013-12-18
DC3-TOGA_GV_20120622_R2.ict,2013-12-18
DC3-TOGA_GV_20120623_R2.ict,2013-12-18
DC3-TOGA_GV_20120625_R2.ict,2013-12-18
DC3-TOGA_GV_20120627_R2.ict,2013-12-18
DC3-TOGA_GV_20120628_R2.ict,2013-12-18
DC3-TOGA_GV_20120630_R2.ict,2013-12-18
dc3-VCSELwatervapor_GV_20120518_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120519_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120521_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120525_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120526_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120529_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120530_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120601_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120605_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120606_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120607_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120611_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120615_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120616_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120617_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120621_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120622_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120623_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120625_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120627_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120628_R2.ict,2013-06-26
dc3-VCSELwatervapor_GV_20120630_R2.ict,2013-06-26