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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 DC8 aircraft. Names of the merge files are as:

```
dataID_locationID_YYYYMMDD_R#[_comments].extension
  where dataID="dc3-mrgTOGA-gV" for the merge of the data on
the GV aircraft to the TOGA dataset time reference
  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-mrgTOGA-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).

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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.

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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.

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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
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