

START08 / PreHIPPO USER Instrument Data Product Table

variable name	sampling rate	in flight	quick look
O3_NCAR	1 sec	yes	yes / merge
O3_NOAA	1 sec	yes (10sec)	yes / merge
O3_UCATS	10 sec average	yes	yes
H2O_RAF	1 sec	yes	yes / merge
H2O_UCATS	1 sec	yes	yes / merge
H2O_VXL	1 sec	yes	yes / merge
CO_RAF	1 sec	yes	yes / merge
CO_QCLS	1 sec		yes / merge
CO_UCATS	140sec		yes
CO_PTHR	140 sec		yes
CO2_QCLS	1 sec		yes / merge
CO2_AO2	2 sec	yes	yes
CO2DIAG_MEDUSA	1 sec (30 sec flush. time)	yes	yes
CH4_QCLS	1 sec		yes / merge
CH4_UCATS	140sec		yes
CH4_PTHR	140 sec		yes
N2O_QCLS	1 sec		yes / merge
N2O_UCATS	70 sec		yes
N2O_PTHR	70 sec		yes
NO_NCAR	1 sec	yes	yes / merge
NOy_NCAR	1 sec	yes	yes / merge
SF6_PTHR	70 sec		yes
SF6_UCATS	70 sec		yes
H2_UCATS	140sec		yes
H2O_TOTAL	1 sec	yes	yes / merge
ICE_H2O	average over 1Hz	yes	yes
O2N2_AO2	2 sec	yes	yes
T_MTP	18 sec	yes	yes
ZT1, ZT2	18 sec		yes

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CFC12_PTHR	70 sec		yes
CFC11_PTHR	70 sec		yes
HALON1211_PTHR	70 sec		yes
H2_PTHR	140 sec		yes
CCl4_PTHR	140 sec		yes
CH3CCI3_PTHR	140 sec		yes
PAN	140 sec		yes
methyl halides CH3I,CH3Br,CH3Cl,	180 sec		yes
sulfur compounds COS,CS2	180 sec		yes
hydrochlorofluorocarbons HCFC22,HCFC141b,HFCFC142b	180 sec		yes
hydrofluorocarbon HFC134a	180 sec		yes
SAMPLE_MEDUSA	1 sec	no	yes
FLASK_MEDUSA	1 sec	no	yes
AWAS and MEDUSA data are listed in separate tables.			no

Instrument	PI
HAI5 Fast-O3 Instrument (O3_NCAR)	Teresa Campos
NOAA Dual-Beam UV Absorption Ozone Photometer (O3_NOAA)	Ballard, Gao
UCATS 2-Channel Gas Chromatograph (*_UCATS)	Dale Hurst
NCAR/RAF Vacuum Ultra Violet (VUV) Instrument (CO_RAF)	Teresa Campos
NCAR/RAF Tunable diode laser hydrometer (H2O_RAF)	Teresa Campos
Quantum Cascade Laser System (Harvard QCLS) (*_QCLS)	Steve Wofsy
PAN and other Trace Hydrohalocarbon Experiment (*_PTHR)	Fred Moor
NO-NOy Instrument (*_NCAR)	Andrew J. Weinheimer
Closed-path tunable diode Laser Hygrometer (H2O_TOTAL)	Linnea Avallone
HAI5 Small Ice Detector (SID-2) (ICE_H2O)	Andy Heymsfield
Vertical Cavity Surf. Emitting Laser Hygrom. (VCSEL) (H2O_VXL)	Mark Paige, Mark Zondlo
NCAR Airborne Oxygen Instrument (AO2) (*_O2N2)	Britton Stephens
NCAR MEDUSA Flask Sampler (*_MEDUSA)	Britton Stephens
Microwave Temperature Profiler (NGV MTP) (T_MTP, ZT1, ZT2)	MJ Mahoney
HAI5 Advanced Whole Air Sampler (AWAS) (*_AWAS)	Elliot Atlas