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netcdf VOCALSrf01h {
dimensions:
    Time = 12241 ;
    sps1 = 1 ;
    Vector64 = 64 ;
    sps10 = 10 ;
    Vector31 = 31 ;
    sps25 = 25 ;
variables:
    int Time(Time) ;
        Time:long_name = "time of measurement" ;
        Time:standard_name = "time" ;
        Time:units = "seconds since 2008-10-15 16:48:00 +0000" ;
        Time:strptime_format = "seconds since %F %T %z" ;
    float AlDC_RPC(Time, sps1, Vector64) ;
        AlDC_RPC:_FillValue = -32767.f ;
        AlDC_RPC:units = "count" ;
        AlDC_RPC:long_name = "Fast 2DC Raw Accumulation, entire-in (per cell)" ;
        AlDC_RPC:Category = "PMS Probe" ;
        AlDC_RPC:SerialNumber = "F2DC001" ;
        AlDC_RPC:SampledRate = 1 ;
        AlDC_RPC:DataQuality = "Good" ;
        AlDC_RPC:Resolution = 25 ;
        AlDC_RPC:nDiodes = 64 ;
        AlDC_RPC:ResponseTime = 0.4f ;
        AlDC_RPC:ArmDistance = 61.f ;
        AlDC_RPC:ParticleAcceptMethod = "Entire In" ;
    float AlDC_RPI(Time, sps1, Vector64) ;
        AlDC_RPI:_FillValue = -32767.f ;
        AlDC_RPI:units = "count" ;
        AlDC_RPI:long_name = "Fast 2DC Raw Accumulation, entire-in (per cell)" ;
        AlDC_RPI:Category = "PMS Probe" ;
        AlDC_RPI:SerialNumber = "F2DC002" ;
        AlDC_RPI:SampledRate = 1 ;
        AlDC_RPI:DataQuality = "Good" ;
        AlDC_RPI:Resolution = 10 ;
        AlDC_RPI:nDiodes = 64 ;
        AlDC_RPI:ResponseTime = 0.4f ;
        AlDC_RPI:ArmDistance = 61.f ;
        AlDC_RPI:ParticleAcceptMethod = "Entire In" ;
    float ACDP_RWO(Time, sps10, Vector31) ;
        ACDP_RWO:_FillValue = -32767.f ;
        ACDP_RWO:units = "count" ;
        ACDP_RWO:long_name = "CDP Raw Accumulation (per cell)" ;
        ACDP_RWO:Category = "PMS Probe" ;
        ACDP_RWO:SerialNumber = "CDP001" ;
        ACDP_RWO:SampledRate = 10 ;
        ACDP_RWO:DataQuality = "Good" ;
    float ACINS(Time, sps25) ;
        ACINS:_FillValue = -32767.f ;
        ACINS:units = "m/s2" ;
        ACINS:long_name = "IRS Vertical Acceleration" ;
        ACINS:Category = "Aircraft State" ;
        ACINS:SampledRate = 50 ;
        ACINS:TimeLag = -80 ;
        ACINS:TimeLagUnits = "milliseconds" ;
        ACINS:DespikesSlope = 4.f ;
        ACINS:DataQuality = "Good" ;
    float ADIFR(Time, sps25) ;
        ADIFR:_FillValue = -32767.f ;
        ADIFR:units = "hPa" ;
        ADIFR:long_name = "Vertical Differential Pressure, Radome" ;
        ADIFR:Category = "Analog" ;
        ADIFR:SampledRate = 500 ;

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ADIFR:DataQuality = "Good" ;
ADIFR:CalibrationCoefficients = -0.0156321f, 6.93387f, 0.00545018f ;
float AS100_RWI(Time, sps10, Vector31) ;
AS100_RWI:_FillValue = -32767.f ;
AS100_RWI:units = "count" ;
AS100_RWI:long_name = "SPP-100 Raw Accumulation (per cell) - DMT" ;
AS100_RWI:Category = "PMS Probe" ;
AS100_RWI:SerialNumber = "FSSP109" ;
AS100_RWI:SampledRate = 10 ;
AS100_RWI:DataQuality = "Good" ;
float AS200_LWO(Time, sps10, Vector31) ;
AS200_LWO:_FillValue = -32767.f ;
AS200_LWO:units = "count" ;
AS200_LWO:long_name = "SPP-200 (PCASP) Raw Accumulation (per cell) - DMT" ;
AS200_LWO:Category = "PMS Probe" ;
AS200_LWO:SerialNumber = "PCAS108" ;
AS200_LWO:SampledRate = 10 ;
AS200_LWO:DataQuality = "Good" ;
float AS300_LWI(Time, sps10, Vector31) ;
AS300_LWI:_FillValue = -32767.f ;
AS300_LWI:units = "count" ;
AS300_LWI:long_name = "SPP-300 (FSSP-300) Raw Accumulation (per cell) - DMT"
;

AS300_LWI:Category = "PMS Probe" ;
AS300_LWI:SerialNumber = "FSSP305" ;
AS300_LWI:SampledRate = 10 ;
AS300_LWI:DataQuality = "Good" ;
float AVGTRNS_RWO(Time, sps10) ;
AVGTRNS_RWO:_FillValue = -32767.f ;
AVGTRNS_RWO:units = "" ;
AVGTRNS_RWO:long_name = "CDP Average Transit Time" ;
AVGTRNS_RWO:Category = "Raw" ;
AVGTRNS_RWO:SerialNumber = "CDP001" ;
AVGTRNS_RWO:SampledRate = 10 ;
AVGTRNS_RWO:DataQuality = "Good" ;
float BDIFR(Time, sps25) ;
BDIFR:_FillValue = -32767.f ;
BDIFR:units = "hPa" ;
BDIFR:long_name = "Horizontal Differential Pressure, Radome" ;
BDIFR:Category = "Analog" ;
BDIFR:SampledRate = 500 ;
BDIFR:DataQuality = "Good" ;
BDIFR:CalibrationCoefficients = -0.0323812f, 5.13826f, 8.09753e-05f ;
float CDPLBTMP_RWO(Time, sps10) ;
CDPLBTMP_RWO:_FillValue = -32767.f ;
CDPLBTMP_RWO:units = "deg_C" ;
CDPLBTMP_RWO:long_name = "CDP Laser Block Temperature" ;
CDPLBTMP_RWO:Category = "Raw" ;
CDPLBTMP_RWO:SerialNumber = "CDP001" ;
CDPLBTMP_RWO:SampledRate = 10 ;
CDPLBTMP_RWO:DataQuality = "Good" ;
float CDPLSRC_RWO(Time, sps10) ;
CDPLSRC_RWO:_FillValue = -32767.f ;
CDPLSRC_RWO:units = "mAmp" ;
CDPLSRC_RWO:long_name = "CDP Laser Current" ;
CDPLSRC_RWO:Category = "Raw" ;
CDPLSRC_RWO:SerialNumber = "CDP001" ;
CDPLSRC_RWO:SampledRate = 10 ;
CDPLSRC_RWO:DataQuality = "Good" ;
float CDPLSRP_RWO(Time, sps10) ;
CDPLSRP_RWO:_FillValue = -32767.f ;
CDPLSRP_RWO:units = "V" ;
CDPLSRP_RWO:long_name = "CDP Laser Power Monitor" ;
CDPLSRP_RWO:Category = "Raw" ;
CDPLSRP_RWO:SerialNumber = "CDP001" ;
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CDPLSRP_RWO:SampledRate = 10 ;
CDPLSRP_RWO:DataQuality = "Good" ;
float CDPWBTMP_RWO(Time, sps10) ;
CDPWBTMP_RWO:_FillValue = -32767.f ;
CDPWBTMP_RWO:units = "deg_C" ;
CDPWBTMP_RWO:long_name = "CDP Wing Board Temperature" ;
CDPWBTMP_RWO:Category = "Raw" ;
CDPWBTMP_RWO:SerialNumber = "CDP001" ;
CDPWBTMP_RWO:SampledRate = 10 ;
CDPWBTMP_RWO:DataQuality = "Good" ;
float CNT1(Time) ;
CNT1:_FillValue = -32767.f ;
CNT1:units = "" ;
CNT1:long_name = "CN Counts" ;
CNT1:Category = "Raw" ;
CNT1:SampledRate = 1 ;
CNT1:DataQuality = "Good" ;
float CNTEMP(Time) ;
CNTEMP:_FillValue = -32767.f ;
CNTEMP:units = "deg_C" ;
CNTEMP:long_name = "CN Counter Inlet Temperature" ;
CNTEMP:Category = "Analog" ;
CNTEMP:SampledRate = 10 ;
CNTEMP:DataQuality = "Good" ;
CNTEMP:CalibrationCoefficients = 13.85f, 4.668f, -0.0056f ;
float CNTS(Time, sps25) ;
CNTS:_FillValue = -32767.f ;
CNTS:units = "count" ;
CNTS:long_name = "TSI CN Counter Output" ;
CNTS:Category = "Uncorr\'d Raw" ;
CNTS:SampledRate = 100 ;
CNTS:TimeLag = -2000 ;
CNTS:TimeLagUnits = "milliseconds" ;
CNTS:DataQuality = "Good" ;
float COMR_AL(Time) ;
COMR_AL:_FillValue = -32767.f ;
COMR_AL:units = "ppbv" ;
COMR_AL:long_name = "Carbon Monoxide Mixing Ratio" ;
COMR_AL:Category = "Analog" ;
COMR_AL:SampledRate = 5 ;
COMR_AL:DataQuality = "Bad" ;
COMR_AL:CalibrationCoefficients = 0.f, 1.f ;
float DPB(Time) ;
DPB:_FillValue = -32767.f ;
DPB:units = "deg_C" ;
DPB:long_name = "Dew/Frost Point Temperature, Fuselage Bottom" ;
DPB:Category = "Atmos. State" ;
DPB:standard_name = "dew_point_temperature" ;
DPB:SampledRate = 1 ;
DPB:DataQuality = "Preliminary" ;
DPB:CalibrationCoefficients = -0.72f, 1.0573f, -0.00027f ;
float DPT(Time) ;
DPT:_FillValue = -32767.f ;
DPT:units = "deg_C" ;
DPT:long_name = "Dew/Frost Point Temperature, Fuselage Top" ;
DPT:Category = "Atmos. State" ;
DPT:standard_name = "dew_point_temperature" ;
DPT:SampledRate = 1 ;
DPT:DataQuality = "Preliminary" ;
DPT:CalibrationCoefficients = -0.392f, 1.006f, -0.0005f ;
float DTB(Time) ;
DTB:_FillValue = -32767.f ;
DTB:units = "deg_C" ;
DTB:long_name = "Pyrgometer Dome Temperature, Bottom" ;
DTB:Category = "Analog" ;
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DTB:SampledRate = 100 ;
DTB:DataQuality = "Preliminary" ;
DTB:CalibrationCoefficients = 58.4f, -26.19f, 3.2516f, -0.1668f ;
float DTT(Time) ;
DTT:_FillValue = -32767.f ;
DTT:units = "deg_C" ;
DTT:long_name = "Pyrgometer Dome Temperature, Top" ;
DTT:Category = "Analog" ;
DTT:SampledRate = 100 ;
DTT:DataQuality = "Preliminary" ;
DTT:CalibrationCoefficients = 58.3f, -25.966f, 3.2056f, -0.1637f ;
float FCN(Time) ;
FCN:_FillValue = -32767.f ;
FCN:units = "vlpm" ;
FCN:long_name = "Raw CN Counter Sample Flow Rate" ;
FCN:Category = "Analog" ;
FCN:SampledRate = 10 ;
FCN:DataQuality = "Preliminary" ;
FCN:CalibrationCoefficients = 0.3f, 0.3229f ;
float FREF3_LWI(Time, sps10) ;
FREF3_LWI:_FillValue = -32767.f ;
FREF3_LWI:units = "V" ;
FREF3_LWI:long_name = "SPP-300 Laser Reference Voltage" ;
FREF3_LWI:Category = "PMS Probe" ;
FREF3_LWI:SerialNumber = "FSSP305" ;
FREF3_LWI:SampledRate = 10 ;
FREF3_LWI:DataQuality = "Good" ;
float FREF_RWI(Time, sps10) ;
FREF_RWI:_FillValue = -32767.f ;
FREF_RWI:units = "V" ;
FREF_RWI:long_name = "SPP-100 Laser Reference Voltage" ;
FREF_RWI:Category = "PMS Probe" ;
FREF_RWI:SerialNumber = "FSSP109" ;
FREF_RWI:SampledRate = 10 ;
FREF_RWI:DataQuality = "Good" ;
float FRNG_RWI(Time, sps10) ;
FRNG_RWI:_FillValue = -32767.f ;
FRNG_RWI:units = "" ;
FRNG_RWI:long_name = "SPP-100 Size Range Category" ;
FRNG_RWI:Category = "PMS Probe" ;
FRNG_RWI:SerialNumber = "FSSP109" ;
FRNG_RWI:SampledRate = 10 ;
FRNG_RWI:DataQuality = "Good" ;
float FTMP3_LWI(Time, sps10) ;
FTMP3_LWI:_FillValue = -32767.f ;
FTMP3_LWI:units = "deg_C" ;
FTMP3_LWI:long_name = "SPP-300 Housekeeping Data" ;
FTMP3_LWI:Category = "PMS Probe" ;
FTMP3_LWI:SerialNumber = "FSSP305" ;
FTMP3_LWI:SampledRate = 10 ;
FTMP3_LWI:DataQuality = "Good" ;
float FTMP_RWI(Time, sps10) ;
FTMP_RWI:_FillValue = -32767.f ;
FTMP_RWI:units = "deg_C" ;
FTMP_RWI:long_name = "SPP-100 Housekeeping Data" ;
FTMP_RWI:Category = "PMS Probe" ;
FTMP_RWI:SerialNumber = "FSSP109" ;
FTMP_RWI:SampledRate = 10 ;
FTMP_RWI:DataQuality = "Good" ;
float GGALT_NTL(Time) ;
GGALT_NTL:_FillValue = -32767.f ;
GGALT_NTL:units = "m" ;
GGALT_NTL:long_name = "Reference GPS Altitude (MSL)" ;
GGALT_NTL:Category = "Position" ;
GGALT_NTL:standard_name = "altitude" ;
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GGALT_NTL:SampledRate = 5 ;
GGALT_NTL:DataQuality = "Good" ;
float GGLAT_NTL(Time) ;
GGLAT_NTL:_FillValue = -32767.f ;
GGLAT_NTL:units = "degree_N" ;
GGLAT_NTL:long_name = "Reference GPS Latitude" ;
GGLAT_NTL:valid_range = -90.f, 90.f ;
GGLAT_NTL:Category = "Position" ;
GGLAT_NTL:standard_name = "latitude" ;
GGLAT_NTL:SampledRate = 5 ;
GGLAT_NTL:DataQuality = "Good" ;
float GGLON_NTL(Time) ;
GGLON_NTL:_FillValue = -32767.f ;
GGLON_NTL:units = "degree_E" ;
GGLON_NTL:long_name = "Reference GPS Longitude" ;
GGLON_NTL:valid_range = -180.f, 180.f ;
GGLON_NTL:Category = "Position" ;
GGLON_NTL:standard_name = "longitude" ;
GGLON_NTL:SampledRate = 5 ;
GGLON_NTL:DataQuality = "Good" ;
GGLON_NTL:modulus_range = -180.f, 180.f ;
float GGNSAT_NTL(Time) ;
GGNSAT_NTL:_FillValue = -32767.f ;
GGNSAT_NTL:units = "number" ;
GGNSAT_NTL:long_name = "Reference GPS number of satellites tracked" ;
GGNSAT_NTL:Category = "Raw" ;
GGNSAT_NTL:SampledRate = 5 ;
GGNSAT_NTL:DataQuality = "Good" ;
float GGSPD_NTL(Time) ;
GGSPD_NTL:_FillValue = -32767.f ;
GGSPD_NTL:units = "m/s" ;
GGSPD_NTL:long_name = "Reference GPS Ground Speed" ;
GGSPD_NTL:Category = "Raw" ;
GGSPD_NTL:SampledRate = 5 ;
GGSPD_NTL:DataQuality = "Good" ;
float GGSTATUS_NTL(Time) ;
GGSTATUS_NTL:_FillValue = -32767.f ;
GGSTATUS_NTL:units = "none" ;
GGSTATUS_NTL:long_name = "Reference GPS rcvr status: 1=OK(A), 0=warning(V)" ;
GGSTATUS_NTL:Category = "Raw" ;
GGSTATUS_NTL:SampledRate = 5 ;
GGSTATUS_NTL:DataQuality = "Good" ;
float GGTRK_NTL(Time) ;
GGTRK_NTL:_FillValue = -32767.f ;
GGTRK_NTL:units = "degree_T" ;
GGTRK_NTL:long_name = "Reference GPS Track Angle" ;
GGTRK_NTL:valid_range = 0.f, 360.f ;
GGTRK_NTL:Category = "Aircraft State" ;
GGTRK_NTL:SampledRate = 5 ;
GGTRK_NTL:DataQuality = "Good" ;
GGTRK_NTL:modulus_range = 0.f, 360.f ;
float GGVEW_NTL(Time) ;
GGVEW_NTL:_FillValue = -32767.f ;
GGVEW_NTL:units = "m/s" ;
GGVEW_NTL:long_name = "Reference GPS Ground Speed Vector, East Component" ;
GGVEW_NTL:Category = "Aircraft State" ;
GGVEW_NTL:SampledRate = 5 ;
GGVEW_NTL:DataQuality = "Good" ;
float GGVNS_NTL(Time) ;
GGVNS_NTL:_FillValue = -32767.f ;
GGVNS_NTL:units = "m/s" ;
GGVNS_NTL:long_name = "Reference GPS Ground Speed Vector, North Component" ;
GGVNS_NTL:Category = "Aircraft State" ;
GGVNS_NTL:SampledRate = 5 ;
GGVNS_NTL:DataQuality = "Good" ;
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float GNI1(Time) ;
    GNI1:_FillValue = -32767.f ;
    GNI1:units = "V" ;
    GNI1:long_name = "GNI Sample Stage" ;
    GNI1:Category = "Raw" ;
    GNI1:SampledRate = 10 ;
    GNI1:DataQuality = "Good" ;
float GSF(Time) ;
    GSF:_FillValue = -32767.f ;
    GSF:units = "m/s" ;
    GSF:long_name = "IRS Aircraft Ground Speed" ;
    GSF:Category = "Aircraft State" ;
    GSF:standard_name = "platform_speed_wrt_ground" ;
    GSF:SampledRate = 10 ;
    GSF:DataQuality = "Good" ;
float HGM232(Time, sps25) ;
    HGM232:_FillValue = -32767.f ;
    HGM232:units = "feet" ;
    HGM232:long_name = "Altitude above ground (radar altimeter)" ;
    HGM232:Category = "Position" ;
    HGM232:standard_name = "height" ;
    HGM232:SampledRate = 25 ;
    HGM232:DespikesSlope = 20.f ;
    HGM232:DataQuality = "Good" ;
float IRB(Time, sps25) ;
    IRB:_FillValue = -32767.f ;
    IRB:units = "W/m2" ;
    IRB:long_name = "Raw Infrared Irradiance, Bottom" ;
    IRB:Category = "Analog" ;
    IRB:SampledRate = 100 ;
    IRB:DataQuality = "Good" ;
    IRB:CalibrationCoefficients = -1074.5f, 2540.16f, 120.528f ;
float IRT(Time) ;
    IRT:_FillValue = -32767.f ;
    IRT:units = "W/m2" ;
    IRT:long_name = "Raw Infrared Irradiance, Top" ;
    IRT:Category = "Analog" ;
    IRT:SampledRate = 100 ;
    IRT:DataQuality = "Preliminary" ;
    IRT:CalibrationCoefficients = -1194.f, 2817.8f, -43.803f ;
float LAT(Time) ;
    LAT:_FillValue = -32767.f ;
    LAT:units = "degree_N" ;
    LAT:long_name = "IRS Latitude" ;
    LAT:valid_range = -90.f, 90.f ;
    LAT:Category = "Position" ;
    LAT:standard_name = "latitude" ;
    LAT:SampledRate = 5 ;
    LAT:DespikesSlope = 0.05f ;
    LAT:DataQuality = "Good" ;
float LON(Time) ;
    LON:_FillValue = -32767.f ;
    LON:units = "degree_E" ;
    LON:long_name = "IRS Longitude" ;
    LON:valid_range = -180.f, 180.f ;
    LON:Category = "Position" ;
    LON:standard_name = "longitude" ;
    LON:SampledRate = 5 ;
    LON:DespikesSlope = 0.05f ;
    LON:DataQuality = "Good" ;
    LON:modulus_range = -180.f, 180.f ;
float OVFLW_RWI(Time, sps10) ;
    OVFLW_RWI:_FillValue = -32767.f ;
    OVFLW_RWI:units = "" ;
    OVFLW_RWI:long_name = "SPP-100 AtoD Converter Overflow/Overrange" ;

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OVFLW_RWI:Category = "PMS Probe" ;
OVFLW_RWI:SerialNumber = "FSSP109" ;
OVFLW_RWI:SampledRate = 10 ;
OVFLW_RWI:DataQuality = "Good" ;
float OVFLW_RWO(Time, sps10) ;
OVFLW_RWO:_FillValue = -32767.f ;
OVFLW_RWO:units = "" ;
OVFLW_RWO:long_name = "CDP AtoD Converter Overflow/Overrange" ;
OVFLW_RWO:Category = "PMS Probe" ;
OVFLW_RWO:SerialNumber = "CDP001" ;
OVFLW_RWO:SampledRate = 10 ;
OVFLW_RWO:DataQuality = "Good" ;
float PCAB(Time) ;
PCAB:_FillValue = -32767.f ;
PCAB:units = "hPa" ;
PCAB:long_name = "Interior Cabin Static Pressure" ;
PCAB:Category = "Analog" ;
PCAB:standard_name = "air_pressure" ;
PCAB:SampledRate = 10 ;
PCAB:DataQuality = "Good" ;
PCAB:CalibrationCoefficients = -1.19357f, 108.496f, -0.0272088f ;
float PCN(Time) ;
PCN:_FillValue = -32767.f ;
PCN:units = "hPa" ;
PCN:long_name = "CN Counter Inlet Pressure" ;
PCN:Category = "Analog" ;
PCN:SampledRate = 10 ;
PCN:DataQuality = "Good" ;
PCN:CalibrationCoefficients = 9.25361f, 106.036f, -0.0205082f ;
float PFLWS_LWO(Time, sps10) ;
PFLWS_LWO:_FillValue = -32767.f ;
PFLWS_LWO:units = "std cm3/s" ;
PFLWS_LWO:long_name = "SPP-200 Sheath Flow" ;
PFLWS_LWO:Category = "Analog" ;
PFLWS_LWO:SerialNumber = "PCAS108" ;
PFLWS_LWO:SampledRate = 10 ;
PFLWS_LWO:DataQuality = "Good" ;
PFLWS_LWO:CalibrationCoefficients = -729.57f, 0.87564f, -0.00035197f,
4.75037e-08f ;
float PFLW_LWO(Time, sps10) ;
PFLW_LWO:_FillValue = -32767.f ;
PFLW_LWO:units = "std cm3/s" ;
PFLW_LWO:long_name = "SPP-200 Flow" ;
PFLW_LWO:Category = "Analog" ;
PFLW_LWO:SerialNumber = "PCAS108" ;
PFLW_LWO:SampledRate = 10 ;
PFLW_LWO:DataQuality = "Good" ;
PFLW_LWO:CalibrationCoefficients = -0.0165f, 7.9354e-05f, 1.1453e-07f ;
float PHGB_LWO(Time, sps10) ;
PHGB_LWO:_FillValue = -32767.f ;
PHGB_LWO:units = "V" ;
PHGB_LWO:long_name = "SPP-200 High-Gain Baseline" ;
PHGB_LWO:Category = "PMS Probe" ;
PHGB_LWO:SerialNumber = "PCAS108" ;
PHGB_LWO:SampledRate = 10 ;
PHGB_LWO:DataQuality = "Good" ;
float PITCH(Time, sps25) ;
PITCH:_FillValue = -32767.f ;
PITCH:units = "degree" ;
PITCH:long_name = "IRS Aircraft Pitch Angle" ;
PITCH:valid_range = -180.f, 180.f ;
PITCH:Category = "Analog" ;
PITCH:standard_name = "platform_pitch_angle" ;
PITCH:SampledRate = 50 ;
PITCH:TimeLag = -180 ;

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PITCH:TimeLagUnits = "milliseconds" ;
PITCH:DespikeSlope = 0.5f ;
PITCH:DataQuality = "Good" ;
PITCH:CalibrationCoefficients = -0.08f, 1.f ;
float PLGB_LWO(Time, sps10) ;
  PLGB_LWO:_FillValue = -32767.f ;
  PLGB_LWO:units = "V" ;
  PLGB_LWO:long_name = "SPP-200 Low-Gain Baseline" ;
  PLGB_LWO:Category = "PMS Probe" ;
  PLGB_LWO:SerialNumber = "PCAS108" ;
  PLGB_LWO:SampledRate = 10 ;
  PLGB_LWO:DataQuality = "Good" ;
float PLWC1(Time, sps25) ;
  PLWC1:_FillValue = -32767.f ;
  PLWC1:units = "W" ;
  PLWC1:long_name = "Raw PMS-King Liquid Water Content Output" ;
  PLWC1:Category = "Analog" ;
  PLWC1:SampledRate = 100 ;
  PLWC1:DataQuality = "Good" ;
  PLWC1:CalibrationCoefficients = 0.f, 10.f ;
float PMGB_LWO(Time, sps10) ;
  PMGB_LWO:_FillValue = -32767.f ;
  PMGB_LWO:units = "V" ;
  PMGB_LWO:long_name = "SPP-200 Mid-Gain Baseline" ;
  PMGB_LWO:Category = "PMS Probe" ;
  PMGB_LWO:SerialNumber = "PCAS108" ;
  PMGB_LWO:SampledRate = 10 ;
  PMGB_LWO:DataQuality = "Good" ;
float PREF_LWO(Time, sps10) ;
  PREF_LWO:_FillValue = -32767.f ;
  PREF_LWO:units = "V" ;
  PREF_LWO:long_name = "SPP-200 Laser Reference Voltage" ;
  PREF_LWO:Category = "PMS Probe" ;
  PREF_LWO:SerialNumber = "PCAS108" ;
  PREF_LWO:SampledRate = 10 ;
  PREF_LWO:DataQuality = "Good" ;
float PSFD(Time, sps25) ;
  PSFD:_FillValue = -32767.f ;
  PSFD:units = "hPa" ;
  PSFD:long_name = "Raw Static Pressure, Fuselage" ;
  PSFD:Category = "Analog" ;
  PSFD:standard_name = "air_pressure" ;
  PSFD:SampledRate = 50 ;
  PSFD:DataQuality = "Good" ;
  PSFD:CalibrationCoefficients = -0.11361f, 0.999666f, 4.46795e-07f ;
float PSFRD(Time, sps25) ;
  PSFRD:_FillValue = -32767.f ;
  PSFRD:units = "hPa" ;
  PSFRD:long_name = "Raw Static Pressure, Fuselage" ;
  PSFRD:Category = "Analog" ;
  PSFRD:standard_name = "air_pressure" ;
  PSFRD:SampledRate = 50 ;
  PSFRD:DespikeSlope = 20.f ;
  PSFRD:DataQuality = "Good" ;
  PSFRD:CalibrationCoefficients = -0.168825f, 1.00007f, 1.18961e-08f ;
float PTMP_LWO(Time, sps10) ;
  PTMP_LWO:_FillValue = -32767.f ;
  PTMP_LWO:units = "deg_C" ;
  PTMP_LWO:long_name = "SPP-200 Detector Temperature" ;
  PTMP_LWO:Category = "PMS Probe" ;
  PTMP_LWO:SerialNumber = "PCAS108" ;
  PTMP_LWO:SampledRate = 10 ;
  PTMP_LWO:DataQuality = "Good" ;
float QCF(Time) ;
  QCF:_FillValue = -32767.f ;
```



```

QCF:units = "hPa" ;
QCF:long_name = "Raw Dynamic Pressure, Fuselage" ;
QCF:Category = "Analog" ;
QCF:SampledRate = 500 ;
QCF:DataQuality = "Preliminary" ;
QCF:CalibrationCoefficients = 0.390809f, 17.2321f, -0.00393028f ;
float QCFR(Time) ;
QCFR:_FillValue = -32767.f ;
QCFR:units = "hPa" ;
QCFR:long_name = "Raw Dynamic Pressure, Fuselage Right" ;
QCFR:Category = "Analog" ;
QCFR:SampledRate = 500 ;
QCFR:DataQuality = "Preliminary" ;
QCFR:CalibrationCoefficients = -0.827737f, 13.798f, -0.00460835f ;
float QCR(Time) ;
QCR:_FillValue = -32767.f ;
QCR:units = "hPa" ;
QCR:long_name = "Raw Dynamic Pressure, Radome" ;
QCR:Category = "Analog" ;
QCR:SampledRate = 500 ;
QCR:DataQuality = "Preliminary" ;
QCR:CalibrationCoefficients = -1.62563f, 17.3035f, -0.00514298f ;
float REJAT_RWI(Time, sps10) ;
REJAT_RWI:_FillValue = -32767.f ;
REJAT_RWI:units = "" ;
REJAT_RWI:long_name = "SPP-100 Average Transit Rejected Particles" ;
REJAT_RWI:Category = "Housekeeping" ;
REJAT_RWI:SerialNumber = "FSSP109" ;
REJAT_RWI:SampledRate = 10 ;
REJAT_RWI:DataQuality = "Good" ;
float REJAT_RWO(Time, sps10) ;
REJAT_RWO:_FillValue = -32767.f ;
REJAT_RWO:units = "" ;
REJAT_RWO:long_name = "CDP Average Transit Rejected Particles" ;
REJAT_RWO:Category = "Housekeeping" ;
REJAT_RWO:SerialNumber = "CDP001" ;
REJAT_RWO:SampledRate = 10 ;
REJAT_RWO:DataQuality = "Good" ;
float REJDOF_RWI(Time, sps10) ;
REJDOF_RWI:_FillValue = -32767.f ;
REJDOF_RWI:units = "count" ;
REJDOF_RWI:long_name = "SPP-100 Particles Rejected (Outside Depth-of-Field))" ;
;
REJDOF_RWI:Category = "Housekeeping" ;
REJDOF_RWI:SerialNumber = "FSSP109" ;
REJDOF_RWI:SampledRate = 10 ;
REJDOF_RWI:DataQuality = "Good" ;
float REJDOF_RWO(Time, sps10) ;
REJDOF_RWO:_FillValue = -32767.f ;
REJDOF_RWO:units = "count" ;
REJDOF_RWO:long_name = "CDP Particles Rejected (Outside Depth-of-Field))" ;
REJDOF_RWO:Category = "Housekeeping" ;
REJDOF_RWO:SerialNumber = "CDP001" ;
REJDOF_RWO:SampledRate = 10 ;
REJDOF_RWO:DataQuality = "Good" ;
float RICE(Time, sps25) ;
RICE:_FillValue = -32767.f ;
RICE:units = "V" ;
RICE:long_name = "Raw Icing-Rate Indicator" ;
RICE:Category = "Uncorr\'d Raw" ;
RICE:SampledRate = 100 ;
RICE:DataQuality = "Good" ;
float ROLL(Time, sps25) ;
ROLL:_FillValue = -32767.f ;
ROLL:units = "degree" ;

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ROLL:long_name = "IRS Aircraft Roll Angle" ;
ROLL:valid_range = -180.f, 180.f ;
ROLL:Category = "Analog" ;
ROLL:standard_name = "platform_roll_angle" ;
ROLL:SampledRate = 50 ;
ROLL:TimeLag = -180 ;
ROLL:TimeLagUnits = "milliseconds" ;
ROLL:DespikesSlope = 0.5f ;
ROLL:DataQuality = "Good" ;
ROLL:CalibrationCoefficients = 0.f, 1.f ;
float RSTB(Time) ;
RSTB:_FillValue = -32767.f ;
RSTB:units = "deg_C" ;
RSTB:long_name = "Radiometric Surface Temperature" ;
RSTB:Category = "Analog" ;
RSTB:SampledRate = 100 ;
RSTB:DataQuality = "Preliminary" ;
RSTB:CalibrationCoefficients = -47.098f, 8.4341f, 0.1757f ;
float RSTB1(Time) ;
RSTB1:_FillValue = -32767.f ;
RSTB1:units = "deg_C" ;
RSTB1:long_name = "Radiometric Surface Temperature" ;
RSTB1:Category = "Analog" ;
RSTB1:SampledRate = 100 ;
RSTB1:DataQuality = "Preliminary" ;
RSTB1:CalibrationCoefficients = -53.531f, 10.405f, 0.0201f ;
float RSTT(Time) ;
RSTT:_FillValue = -32767.f ;
RSTT:units = "deg_C" ;
RSTT:long_name = "Radiometric Sky/Cloud-Base Temperature" ;
RSTT:Category = "Analog" ;
RSTT:SampledRate = 10 ;
RSTT:DataQuality = "Preliminary" ;
RSTT:CalibrationCoefficients = -55.6f, 11.723f, -0.096f ;
float SHDORC_RPC(Time) ;
SHDORC_RPC:_FillValue = -32767.f ;
SHDORC_RPC:units = "count" ;
SHDORC_RPC:long_name = "Fast 2DC Shadow OR Count" ;
SHDORC_RPC:Category = "PMS Probe" ;
SHDORC_RPC:SerialNumber = "F2DC001" ;
SHDORC_RPC:SampledRate = 10 ;
SHDORC_RPC:DataQuality = "Good" ;
float SHDORC_RPI(Time) ;
SHDORC_RPI:_FillValue = -32767.f ;
SHDORC_RPI:units = "count" ;
SHDORC_RPI:long_name = "Fast 2DC Shadow OR Count" ;
SHDORC_RPI:Category = "PMS Probe" ;
SHDORC_RPI:SerialNumber = "F2DC002" ;
SHDORC_RPI:SampledRate = 10 ;
SHDORC_RPI:DataQuality = "Good" ;
float STB(Time) ;
STB:_FillValue = -32767.f ;
STB:units = "deg_C" ;
STB:long_name = "Pyrgometer Sink Temperature, Bottom" ;
STB:Category = "Analog" ;
STB:SampledRate = 100 ;
STB:DataQuality = "Preliminary" ;
STB:CalibrationCoefficients = 58.6f, -26.228f, 3.256f, -0.16705f ;
float STT(Time) ;
STT:_FillValue = -32767.f ;
STT:units = "deg_C" ;
STT:long_name = "Pyrgometer Sink Temperature, Top" ;
STT:Category = "Analog" ;
STT:SampledRate = 100 ;
STT:DataQuality = "Preliminary" ;
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STT:CalibrationCoefficients = 58.2f, -26.173f, 3.258f, -0.1675f ;
float SWB(Time) ;
  SWB:_FillValue = -32767.f ;
  SWB:units = "W/m2" ;
  SWB:long_name = "Shortwave Irradiance, Bottom" ;
  SWB:Category = "Analog" ;
  SWB:SampledRate = 100 ;
  SWB:DataQuality = "Preliminary" ;
  SWB:CalibrationCoefficients = -12.2258f, 1077.62f, -0.06222f ;
float SWT(Time) ;
  SWT:_FillValue = -32767.f ;
  SWT:units = "W/m2" ;
  SWT:long_name = "Shortwave Irradiance, Top" ;
  SWT:Category = "Analog" ;
  SWT:SampledRate = 100 ;
  SWT:DataQuality = "Preliminary" ;
  SWT:CalibrationCoefficients = -24.49f, 1071.8f, 0.378357f ;
float THDG(Time, sps25) ;
  THDG:_FillValue = -32767.f ;
  THDG:units = "degree_T" ;
  THDG:long_name = "IRS Aircraft True Heading Angle" ;
  THDG:valid_range = 0.f, 360.f ;
  THDG:Category = "Analog" ;
  THDG:standard_name = "platform_orientation" ;
  THDG:SampledRate = 25 ;
  THDG:DespikeSlope = 0.5f ;
  THDG:DataQuality = "Good" ;
  THDG:CalibrationCoefficients = 0.475f, 1.f ;
  THDG:modulus_range = 0.f, 360.f ;
float TTRL(Time, sps25) ;
  TTRL:_FillValue = -32767.f ;
  TTRL:units = "deg_C" ;
  TTRL:long_name = "Total Temperature, Radome Left" ;
  TTRL:Category = "Analog" ;
  TTRL:SampledRate = 100 ;
  TTRL:DataQuality = "Good" ;
  TTRL:CalibrationCoefficients = -62.6034f, 24.727f, -0.125968f ;
float TTRR(Time, sps25) ;
  TTRR:_FillValue = -32767.f ;
  TTRR:units = "deg_C" ;
  TTRR:long_name = "Total Temperature, Radome Right" ;
  TTRR:Category = "Analog" ;
  TTRR:SampledRate = 100 ;
  TTRR:DataQuality = "Good" ;
  TTRR:CalibrationCoefficients = -64.553f, 25.1259f, -0.190518f ;
float TTWH(Time, sps25) ;
  TTWH:_FillValue = -32767.f ;
  TTWH:units = "deg_C" ;
  TTWH:long_name = "Total Temperature, Deiced Wing" ;
  TTWH:Category = "Analog" ;
  TTWH:SampledRate = 100 ;
  TTWH:DataQuality = "Good" ;
  TTWH:CalibrationCoefficients = -65.9606f, 26.7273f, -0.321917f ;
float UVB(Time, sps25) ;
  UVB:_FillValue = -32767.f ;
  UVB:units = "W/m2" ;
  UVB:long_name = "Ultraviolet Irradiance, Bottom" ;
  UVB:Category = "Analog" ;
  UVB:SampledRate = 100 ;
  UVB:DataQuality = "Good" ;
  UVB:CalibrationCoefficients = -0.0554596f, 16.2247f, 4.79291e-05f ;
float UVT(Time) ;
  UVT:_FillValue = -32767.f ;
  UVT:units = "W/m2" ;
  UVT:long_name = "Ultraviolet Irradiance, Top" ;
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UVT:Category = "Analog" ;
UVT:SampledRate = 100 ;
UVT:DataQuality = "Good" ;
UVT:CalibrationCoefficients = -1.0635f, 45.0913f, -0.00286905f ;
float VEW(Time) ;
VEW:_FillValue = -32767.f ;
VEW:units = "m/s" ;
VEW:long_name = "IRS Ground Speed Vector, East Component" ;
VEW:Category = "Aircraft State" ;
VEW:SampledRate = 10 ;
VEW:DespikeSlope = 20.f ;
VEW:DataQuality = "Good" ;
float VNS(Time) ;
VNS:_FillValue = -32767.f ;
VNS:units = "m/s" ;
VNS:long_name = "IRS Ground Speed Vector, North Component" ;
VNS:Category = "Aircraft State" ;
VNS:SampledRate = 10 ;
VNS:DespikeSlope = 20.f ;
VNS:DataQuality = "Good" ;
float VSPD(Time) ;
VSPD:_FillValue = -32767.f ;
VSPD:units = "degree" ;
VSPD:long_name = "IRS Vertical Speed" ;
VSPD:Category = "Analog" ;
VSPD:SampledRate = 25 ;
VSPD:DespikeSlope = 0.6f ;
VSPD:DataQuality = "Preliminary" ;
VSPD:CalibrationCoefficients = 0.f, 1.f ;
float XASTAT(Time) ;
XASTAT:_FillValue = -32767.f ;
XASTAT:units = "v" ;
XASTAT:long_name = "UWyo CCN Status" ;
XASTAT:Category = "Raw" ;
XASTAT:SampledRate = 10 ;
XASTAT:DataQuality = "Good" ;
float XCNCold(Time, sps10) ;
XCNCold:_FillValue = -32767.f ;
XCNCold:units = "N/cc" ;
XCNCold:long_name = "Condensation Nuclei un-heated" ;
XCNCold:Category = "Analog" ;
XCNCold:SampledRate = 10 ;
XCNCold:DataQuality = "Good" ;
XCNCold:CalibrationCoefficients = 0.f, 1000.f ;
float XCNHot(Time, sps10) ;
XCNHot:_FillValue = -32767.f ;
XCNHot:units = "N/cc" ;
XCNHot:long_name = "Condensation Nuclei heated" ;
XCNHot:Category = "Analog" ;
XCNHot:SampledRate = 10 ;
XCNHot:DataQuality = "Good" ;
XCNHot:CalibrationCoefficients = 0.f, 1000.f ;
float XDTEMP(Time) ;
XDTEMP:_FillValue = -32767.f ;
XDTEMP:units = "deg_C" ;
XDTEMP:long_name = "UWyo CCN Differential Temperature" ;
XDTEMP:Category = "Analog" ;
XDTEMP:SampledRate = 10 ;
XDTEMP:DataQuality = "Good" ;
XDTEMP:CalibrationCoefficients = 0.0576f, 2.3518f ;
float XGLWC(Time) ;
XGLWC:_FillValue = -32767.f ;
XGLWC:units = "gram/m3" ;
XGLWC:long_name = "Gerber PV-100 Probe Liquid Water Content" ;
XGLWC:Category = "Analog" ;
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XGLWC:SampledRate = 500 ;
XGLWC:DataQuality = "Preliminary" ;
XGLWC:CalibrationCoefficients = -0.0177f, 1.f ;
float XGREFF(Time, sps25) ;
XGREFF:_FillValue = -32767.f ;
XGREFF:units = "V" ;
XGREFF:long_name = "Gerber PV-100 Effective Droplet Radius" ;
XGREFF:Category = "Uncorr'd Raw" ;
XGREFF:SampledRate = 500 ;
XGREFF:DataQuality = "Good" ;
float XGSFC(Time) ;
XGSFC:_FillValue = -32767.f ;
XGSFC:units = "cm2/m3" ;
XGSFC:long_name = "Gerber PV-100 Particle Surface Area (Raw)" ;
XGSFC:Category = "Analog" ;
XGSFC:SampledRate = 500 ;
XGSFC:DataQuality = "Preliminary" ;
XGSFC:CalibrationCoefficients = 0.f, 1000.f ;
float XICN(Time, sps25) ;
XICN:_FillValue = -32767.f ;
XICN:units = "vlpm" ;
XICN:long_name = "CN Isokinetic Side Flow Rate" ;
XICN:Category = "Analog" ;
XICN:SampledRate = 100 ;
XICN:DataQuality = "Good" ;
XICN:CalibrationCoefficients = 0.03f, 1.118f ;
float XNEPH(Time, sps10) ;
XNEPH:_FillValue = -32767.f ;
XNEPH:units = "V" ;
XNEPH:long_name = "U of H Nephelometer" ;
XNEPH:Category = "Raw" ;
XNEPH:SampledRate = 10 ;
XNEPH:DataQuality = "Good" ;
float XPPRES(Time) ;
XPPRES:_FillValue = -32767.f ;
XPPRES:units = "hPa" ;
XPPRES:long_name = "UWyo Vacuum Pump Pressure" ;
XPPRES:Category = "Analog" ;
XPPRES:SampledRate = 10 ;
XPPRES:DataQuality = "Good" ;
XPPRES:CalibrationCoefficients = -103.f, 206.f ;
float XSDIIMP(Time, sps25) ;
XSDIIMP:_FillValue = -32767.f ;
XSDIIMP:units = "V" ;
XSDIIMP:long_name = "Anderson Flow Rate" ;
XSDIIMP:Category = "Raw" ;
XSDIIMP:SampledRate = 500 ;
XSDIIMP:DataQuality = "Good" ;
float XSDISTR(Time) ;
XSDISTR:_FillValue = -32767.f ;
XSDISTR:units = "V" ;
XSDISTR:long_name = "Anderson Flow Rate" ;
XSDISTR:Category = "Raw" ;
XSDISTR:SampledRate = 10 ;
XSDISTR:DataQuality = "Good" ;
float XTOPTMP(Time) ;
XTOPTMP:_FillValue = -32767.f ;
XTOPTMP:units = "deg_C" ;
XTOPTMP:long_name = "UWyo CCN Top Plate Temperature" ;
XTOPTMP:Category = "Analog" ;
XTOPTMP:SampledRate = 10 ;
XTOPTMP:DataQuality = "Good" ;
XTOPTMP:CalibrationCoefficients = -1.1017f, 4.9497f ;
float XUCN(Time, sps10) ;
XUCN:_FillValue = -32767.f ;
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XUCN:units = "N/cc" ;
XUCN:long_name = "Ultra-fine Condensation Nuclei" ;
XUCN:Category = "Analog" ;
XUCN:SampledRate = 10 ;
XUCN:DataQuality = "Good" ;
XUCN:CalibrationCoefficients = 0.f, 10000.f ;
float XUVI(Time) ;
XUVI:_FillValue = -32767.f ;
XUVI:units = "V" ;
XUVI:long_name = "UV Hygrometer Intensity" ;
XUVI:Category = "Raw" ;
XUVI:SampledRate = 500 ;
XUVI:DataQuality = "Preliminary" ;
XUVI:CalibrationCoefficients = 14.935f, -0.9741f, -0.26044f, 0.02096f ;
float XUVP(Time, sps25) ;
XUVP:_FillValue = -32767.f ;
XUVP:units = "hPa" ;
XUVP:long_name = "UV Hygrometer Pressure" ;
XUVP:Category = "Analog" ;
XUVP:SampledRate = 500 ;
XUVP:DataQuality = "Good" ;
XUVP:CalibrationCoefficients = 229.3f, 188.86f, 0.0034f ;
float XUVT(Time, sps25) ;
XUVT:_FillValue = -32767.f ;
XUVT:units = "deg_C" ;
XUVT:long_name = "UV Hygrometer Temperature" ;
XUVT:Category = "Analog" ;
XUVT:SampledRate = 500 ;
XUVT:DataQuality = "Good" ;
XUVT:CalibrationCoefficients = 70.84f, -18.295f ;
float XVDET(Time) ;
XVDET:_FillValue = -32767.f ;
XVDET:units = "V" ;
XVDET:long_name = "UWyo CCN Detector Voltage" ;
XVDET:Category = "Raw" ;
XVDET:SampledRate = 10 ;
XVDET:DataQuality = "Good" ;
float XWCN10(Time, sps10) ;
XWCN10:_FillValue = -32767.f ;
XWCN10:units = "#/cm3" ;
XWCN10:long_name = "UWyo CPC 3010 Concentration" ;
XWCN10:Category = "Analog" ;
XWCN10:SampledRate = 10 ;
XWCN10:DataQuality = "Preliminary" ;
XWCN10:CalibrationCoefficients = -39.2f, 980.4f ;
float XWCN25(Time, sps10) ;
XWCN25:_FillValue = -32767.f ;
XWCN25:units = "#/cm3" ;
XWCN25:long_name = "UWyo CN 3025 Concentration" ;
XWCN25:Category = "Analog" ;
XWCN25:SampledRate = 10 ;
XWCN25:DataQuality = "Preliminary" ;
XWCN25:CalibrationCoefficients = -343.2f, 8475.f ;
float AKRD(Time, sps25) ;
AKRD:_FillValue = -32767.f ;
AKRD:units = "degree" ;
AKRD:long_name = "Attack Angle, Radome Diff. Pressure" ;
AKRD:Category = "Aircraft State" ;
AKRD:DataQuality = "Good" ;
AKRD:Dependencies = "3 ADIFR QCXC XMACH2" ;
float ALTVOC(Time) ;
ALTVOC:_FillValue = -32767.f ;
ALTVOC:units = "m" ;
ALTVOC:long_name = "Blended Radar and GPS Altitudes" ;
ALTVOC:Category = "Position" ;
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    ALTVOOC:standard_name = "altitude" ;
    ALTVOOC:DataQuality = "Preliminary" ;
    ALTVOOC:Dependencies = "2 RALT GGALT_NTL" ;
float ALTX(Time, sps25) ;
    ALTX:_FillValue = -32767.f ;
    ALTX:units = "m" ;
    ALTX:long_name = "Altitude, Reference (MSL)" ;
    ALTX:Category = "Position" ;
    ALTX:standard_name = "altitude" ;
    ALTX:DataQuality = "Good" ;
    ALTX:Dependencies = "1 ALTVOOC" ;
float AQRATIO(Time, sps25) ;
    AQRATIO:_FillValue = -32767.f ;
    AQRATIO:units = "" ;
    AQRATIO:long_name = "Al\'s Fudge Factor" ;
    AQRATIO:Category = "Derived" ;
    AQRATIO:DataQuality = "Good" ;
    AQRATIO:Dependencies = "2 ADIFR QCF" ;
float ATRL(Time, sps25) ;
    ATRL:_FillValue = -32767.f ;
    ATRL:units = "deg_C" ;
    ATRL:long_name = "Ambient Temperature, Radome Left" ;
    ATRL:Category = "Atmos. State" ;
    ATRL:standard_name = "air_temperature" ;
    ATRL:DataQuality = "Good" ;
    ATRL:Dependencies = "3 TTRL XMACH2 A2DTEMP_FWDFS0" ;
    ATRL:RecoveryFactor = 0.95f ;
float ATRR(Time, sps25) ;
    ATRR:_FillValue = -32767.f ;
    ATRR:units = "deg_C" ;
    ATRR:long_name = "Ambient Temperature, Radome Right" ;
    ATRR:Category = "Atmos. State" ;
    ATRR:standard_name = "air_temperature" ;
    ATRR:DataQuality = "Good" ;
    ATRR:Dependencies = "3 TTRR XMACH2 A2DTEMP_FWDFS0" ;
    ATRR:RecoveryFactor = 0.95f ;
float ATTACK(Time, sps25) ;
    ATTACK:_FillValue = -32767.f ;
    ATTACK:units = "degree" ;
    ATTACK:long_name = "Attack Angle, Reference" ;
    ATTACK:Category = "Aircraft State" ;
    ATTACK:DataQuality = "Good" ;
    ATTACK:Dependencies = "1 AKRD" ;
float ATWH(Time, sps25) ;
    ATWH:_FillValue = -32767.f ;
    ATWH:units = "deg_C" ;
    ATWH:long_name = "Ambient Temperature, Deiced Wing" ;
    ATWH:Category = "Atmos. State" ;
    ATWH:standard_name = "air_temperature" ;
    ATWH:DataQuality = "Good" ;
    ATWH:Dependencies = "3 TTWH XMACH2 A2DTEMP_FWDFS0" ;
    ATWH:RecoveryFactor = 0.985f ;
float ATX(Time, sps25) ;
    ATX:_FillValue = -32767.f ;
    ATX:units = "deg_C" ;
    ATX:long_name = "Ambient Temperature, Reference" ;
    ATX:Category = "Atmos. State" ;
    ATX:standard_name = "air_temperature" ;
    ATX:DataQuality = "Good" ;
    ATX:Dependencies = "1 ATRR" ;
float C1DC_RPC(Time, sps1, Vector64) ;
    C1DC_RPC:_FillValue = -32767.f ;
    C1DC_RPC:units = "#/L" ;
    C1DC_RPC:long_name = "2D-C Concentration, 260X Emulation (per cell)" ;
    C1DC_RPC:Category = "PMS Probe" ;

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C1DC_RPC:SerialNumber = "F2DC001" ;
C1DC_RPC:DataQuality = "Good" ;
C1DC_RPC:Dependencies = "3 A1DC_RPC TASX DT1DC_RPC" ;
C1DC_RPC:EffectiveAreaWidth = 0.f, 1.55f, 1.525f, 1.5f, 1.475f, 1.45f,
1.425f, 1.4f, 1.375f, 1.35f, 1.325f, 1.3f, 1.275f, 1.25f, 1.225f, 1.2f, 1.175f, 1.15f,
1.125f, 1.1f, 1.075f, 1.05f, 1.025f, 1.f, 0.975f, 0.95f, 0.925f, 0.9f, 0.875f, 0.85f, 0.825f,
0.8f, 0.775f, 0.75f, 0.725f, 0.7f, 0.675f, 0.65f, 0.625f, 0.6f, 0.575f, 0.55f, 0.525f, 0.5f,
0.475f, 0.45f, 0.425f, 0.4f, 0.375f, 0.35f, 0.325f, 0.3f, 0.275f, 0.25f, 0.225f, 0.2f,
0.175f, 0.15f, 0.125f, 0.1f, 0.075f, 0.05f, 0.025f, 0.f ;
C1DC_RPC:DepthOffield = 0.f, 1.422593f, 5.807093f, 13.15409f, 23.46359f,
36.73559f, 52.97009f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f,
61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f,
61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f,
61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f ;
C1DC_RPC:FirstBin = 3 ;
C1DC_RPC>LastBin = 63 ;
C1DC_RPC:CellSizes = 12.5f, 37.5f, 62.5f, 87.5f, 112.5f, 137.5f, 162.5f,
187.5f, 212.5f, 237.5f, 262.5f, 287.5f, 312.5f, 337.5f, 362.5f, 387.5f, 412.5f, 437.5f,
462.5f, 487.5f, 512.5f, 537.5f, 562.5f, 587.5f, 612.5f, 637.5f, 662.5f, 687.5f, 712.5f,
737.5f, 762.5f, 787.5f, 812.5f, 837.5f, 862.5f, 887.5f, 912.5f, 937.5f, 962.5f, 987.5f,
1012.5f, 1037.5f, 1062.5f, 1087.5f, 1112.5f, 1137.5f, 1162.5f, 1187.5f, 1212.5f, 1237.5f,
1262.5f, 1287.5f, 1312.5f, 1337.5f, 1362.5f, 1387.5f, 1412.5f, 1437.5f, 1462.5f, 1487.5f,
1512.5f, 1537.5f, 1562.5f, 1587.5f ;
C1DC_RPC:CellSizeUnits = "micrometers" ;
C1DC_RPC:Density = 1.f ;
C1DC_RPC:PLWfactor = 1.e-09f ;
C1DC_RPC:DBZfactor = 1000.f ;
float C1DC_RPI(Time, sps1, Vector64) ;
C1DC_RPI:_FillValue = -32767.f ;
C1DC_RPI:units = "#/L" ;
C1DC_RPI:long_name = "2D-C Concentration, 260X Emulation (per cell)" ;
C1DC_RPI:Category = "PMS Probe" ;
C1DC_RPI:SerialNumber = "F2DC002" ;
C1DC_RPI:DataQuality = "Good" ;
C1DC_RPI:Dependencies = "3 A1DC_RPI TASX DT1DC_RPI" ;
C1DC_RPI:EffectiveAreaWidth = 0.f, 0.62f, 0.61f, 0.6f, 0.59f, 0.58f, 0.57f,
0.56f, 0.55f, 0.54f, 0.53f, 0.52f, 0.51f, 0.5f, 0.49f, 0.48f, 0.47f, 0.46f, 0.45f, 0.44f,
0.43f, 0.42f, 0.41f, 0.4f, 0.39f, 0.38f, 0.37f, 0.36f, 0.35f, 0.34f, 0.33f, 0.32f, 0.31f,
0.3f, 0.29f, 0.28f, 0.27f, 0.26f, 0.25f, 0.24f, 0.23f, 0.22f, 0.21f, 0.2f, 0.19f, 0.18f,
0.17f, 0.16f, 0.15f, 0.14f, 0.13f, 0.12f, 0.11f, 0.1f, 0.09f, 0.08f, 0.07f, 0.06f, 0.05f,
0.04f, 0.03f, 0.02f, 0.01f, 0.f ;
C1DC_RPI:DepthOffield = 0.f, 0.237f, 0.948f, 2.133f, 3.792f, 5.925f, 8.532f,
11.613f, 15.168f, 19.197f, 23.7f, 28.677f, 34.128f, 40.053f, 46.452f, 53.325f, 60.672f, 61.f,
61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f,
61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f,
61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f, 61.f,
61.f ;
C1DC_RPI:FirstBin = 6 ;
C1DC_RPI>LastBin = 63 ;
C1DC_RPI:CellSizes = 5.f, 15.f, 25.f, 35.f, 45.f, 55.f, 65.f, 75.f, 85.f,
95.f, 105.f, 115.f, 125.f, 135.f, 145.f, 155.f, 165.f, 175.f, 185.f, 195.f, 205.f, 215.f,
225.f, 235.f, 245.f, 255.f, 265.f, 275.f, 285.f, 295.f, 305.f, 315.f, 325.f, 335.f, 345.f,
355.f, 365.f, 375.f, 385.f, 395.f, 405.f, 415.f, 425.f, 435.f, 445.f, 455.f, 465.f, 475.f,
485.f, 495.f, 505.f, 515.f, 525.f, 535.f, 545.f, 555.f, 565.f, 575.f, 585.f, 595.f, 605.f,
615.f, 625.f, 635.f ;
C1DC_RPI:CellSizeUnits = "micrometers" ;
C1DC_RPI:Density = 1.f ;
C1DC_RPI:PLWfactor = 1.e-09f ;
C1DC_RPI:DBZfactor = 1000.f ;
float CCDP_RWO(Time, sps10, Vector31) ;
CCDP_RWO:_FillValue = -32767.f ;
CCDP_RWO:units = "#/cm3" ;
CCDP_RWO:long_name = "CDP Concentration (per cell)" ;
CCDP_RWO:Category = "PMS Probe" ;
CCDP_RWO:SerialNumber = "CDP001" ;

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CCDP_RWO:DataQuality = "Good" ;
CCDP_RWO:Dependencies = "2 ACDP_RWO TASX" ;
CCDP_RWO:FirstBin = 1 ;
CCDP_RWO>LastBin = 29 ;
CCDP_RWO:CellSizes = 1.f, 1.5f, 1.75f, 2.94f, 4.125f, 5.31f, 6.5f, 7.69f,
8.875f, 10.06f, 11.25f, 12.44f, 13.625f, 14.81f, 16.f, 17.19f, 18.375f, 19.56f, 20.75f,
23.03f, 25.31f, 27.59f, 29.87f, 32.15f, 34.43f, 36.71f, 38.99f, 41.27f, 43.55f, 45.83f,
48.11f ;

CCDP_RWO:CellSizeUnits = "micrometers" ;
CCDP_RWO:DepthOfField = 1.38f ;
CCDP_RWO:BeamDiameter = 0.192f ;
CCDP_RWO:Density = 1.f ;
CCDP_RWO:PLWfactor = 1.e-06f ;
CCDP_RWO:DBZfactor = 1000000.f ;
float CONC1DC_RPC(Time) ;
CONC1DC_RPC:_FillValue = -32767.f ;
CONC1DC_RPC:units = "#/L" ;
CONC1DC_RPC:long_name = "2D-C Concentration, 260X Emulation (all cells)" ;
CONC1DC_RPC:Category = "PMS Probe" ;
CONC1DC_RPC:SerialNumber = "F2DC001" ;
CONC1DC_RPC:DataQuality = "Good" ;
CONC1DC_RPC:Dependencies = "1 C1DC_RPC" ;
float CONC1DC_RPI(Time) ;
CONC1DC_RPI:_FillValue = -32767.f ;
CONC1DC_RPI:units = "#/L" ;
CONC1DC_RPI:long_name = "2D-C Concentration, 260X Emulation (all cells)" ;
CONC1DC_RPI:Category = "PMS Probe" ;
CONC1DC_RPI:SerialNumber = "F2DC002" ;
CONC1DC_RPI:DataQuality = "Good" ;
CONC1DC_RPI:Dependencies = "1 C1DC_RPI" ;
float CONC3_LWI(Time, sps10) ;
CONC3_LWI:_FillValue = -32767.f ;
CONC3_LWI:units = "#/cm3" ;
CONC3_LWI:long_name = "FSSP-300 Concentration (all cells)" ;
CONC3_LWI:Category = "PMS Probe" ;
CONC3_LWI:SerialNumber = "FSSP305" ;
CONC3_LWI:DataQuality = "Good" ;
CONC3_LWI:Dependencies = "1 CS300_LWI" ;
float CONCD_RWO(Time, sps10) ;
CONCD_RWO:_FillValue = -32767.f ;
CONCD_RWO:units = "#/cm3" ;
CONCD_RWO:long_name = "CDP Concentration (all cells)" ;
CONCD_RWO:Category = "PMS Probe" ;
CONCD_RWO:SerialNumber = "CDP001" ;
CONCD_RWO:DataQuality = "Good" ;
CONCD_RWO:Dependencies = "1 CCDP_RWO" ;
float CONCF_RWI(Time, sps10) ;
CONCF_RWI:_FillValue = -32767.f ;
CONCF_RWI:units = "#/cm3" ;
CONCF_RWI:long_name = "FSSP-100 Concentration (all cells)" ;
CONCF_RWI:Category = "PMS Probe" ;
CONCF_RWI:SerialNumber = "FSSP109" ;
CONCF_RWI:DataQuality = "Good" ;
CONCF_RWI:Dependencies = "1 CS100_RWI" ;
float CONCNCN(Time, sps25) ;
CONCNCN:_FillValue = -32767.f ;
CONCNCN:units = "#/cm3" ;
CONCNCN:long_name = "Condensation Nuclei (CN) Concentration" ;
CONCNCN:Category = "Chemistry" ;
CONCNCN:DataQuality = "Good" ;
CONCNCN:Dependencies = "6 CNTS FCNC PCN CNTEMP PSXC ATX" ;
CONCNCN:DIV = 1.f ;
float CONCP_LWO(Time, sps10) ;
CONCP_LWO:_FillValue = -32767.f ;
CONCP_LWO:units = "#/cm3" ;

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CONCP_LWO:long_name = "PCAS Concentration (all cells)" ;
CONCP_LWO:Category = "PMS Probe" ;
CONCP_LWO:SerialNumber = "PCAS108" ;
CONCP_LWO:DataQuality = "Good" ;
CONCP_LWO:Dependencies = "1 CS200_LWO" ;
float CONCUD(Time, sps25) ;
CONCUD:_FillValue = -32767.f ;
CONCUD:units = "#/cm3" ;
CONCUD:long_name = "UHSAS CVI Drop Concentration (all cells)" ;
CONCUD:Category = "PMS Probe" ;
CONCUD:DataQuality = "Good" ;
CONCUD:Dependencies = "3 UHSAS_CNDS_CVI CVCFACT USMPFLW_CVI" ;
float CS100_RWI(Time, sps10, Vector31) ;
CS100_RWI:_FillValue = -32767.f ;
CS100_RWI:units = "#/cm3" ;
CS100_RWI:long_name = "FSSP-100 Concentration (per cell) - DMT" ;
CS100_RWI:Category = "PMS Probe" ;
CS100_RWI:SerialNumber = "FSSP109" ;
CS100_RWI:DataQuality = "Good" ;
CS100_RWI:Dependencies = "5 AS100_RWI TASX REJAT_RWI OVFLW_RWI FRNG_RWI" ;
CS100_RWI:FirstBin = 6 ;
CS100_RWI>LastBin = 29 ;
CS100_RWI:CellSizes = 5.5f, 6.625f, 7.75f, 8.875f, 10.f, 11.125f, 12.25f,
13.375f, 14.5f, 15.625f, 16.75f, 17.875f, 19.f, 20.125f, 21.25f, 22.375f, 23.5f, 24.625f,
25.75f, 26.875f, 28.f, 29.125f, 30.25f, 31.375f, 32.5f, 33.625f, 34.75f, 35.875f, 37.f,
38.125f, 39.25f ;
CS100_RWI:CellSizeUnits = "micrometers" ;
CS100_RWI:DepthOfField = 2.63f ;
CS100_RWI:BeamDiameter = 0.19f ;
CS100_RWI:Density = 1.f ;
CS100_RWI:PLWfactor = 1.e-06f ;
CS100_RWI:DBZfactor = 1000000.f ;
float CS200_LWO(Time, sps10, Vector31) ;
CS200_LWO:_FillValue = -32767.f ;
CS200_LWO:units = "#/cm3" ;
CS200_LWO:long_name = "SPP-200 (PCASP) Concentration (per cell) - DMT" ;
CS200_LWO:Category = "PMS Probe" ;
CS200_LWO:SerialNumber = "PCAS108" ;
CS200_LWO:DataQuality = "Good" ;
CS200_LWO:Dependencies = "2 AS200_LWO PFLWC_LWO" ;
CS200_LWO:FirstBin = 2 ;
CS200_LWO>LastBin = 30 ;
CS200_LWO:CellSizes = 0.117f, 0.123f, 0.131f, 0.14f, 0.156f, 0.168f, 0.181f,
0.199f, 0.222f, 0.245f, 0.262f, 0.27f, 0.298f, 0.444f, 0.526f, 0.622f, 0.724f, 0.833f,
0.935f, 1.036f, 1.1f, 1.211f, 1.326f, 1.459f, 1.638f, 1.83f, 2.044f, 2.24f, 2.444f, 2.69f,
2.94f ;
CS200_LWO:CellSizeUnits = "micrometers" ;
float CS300_LWI(Time, sps10, Vector31) ;
CS300_LWI:_FillValue = -32767.f ;
CS300_LWI:units = "#/cm3" ;
CS300_LWI:long_name = "FSSP-300 Concentration (per cell) - DMT" ;
CS300_LWI:Category = "PMS Probe" ;
CS300_LWI:SerialNumber = "FSSP305" ;
CS300_LWI:DataQuality = "Good" ;
CS300_LWI:Dependencies = "2 AS300_LWI TASX" ;
CS300_LWI:FirstBin = 2 ;
CS300_LWI>LastBin = 30 ;
CS300_LWI:CellSizes = 0.3f, 0.36f, 0.42f, 0.48f, 0.54f, 0.6f, 0.66f, 0.72f,
0.78f, 0.9f, 1.75f, 2.7f, 3.65f, 4.6f, 5.55f, 6.5f, 7.45f, 8.4f, 9.35f, 10.3f, 11.25f, 12.2f,
13.15f, 14.1f, 15.05f, 16.f, 16.95f, 17.9f, 18.85f, 19.8f, 20.75f ;
CS300_LWI:CellSizeUnits = "micrometers" ;
CS300_LWI:SampleArea = 0.15f ;
float DBAR1DC_RPC(Time) ;
DBAR1DC_RPC:_FillValue = -32767.f ;
DBAR1DC_RPC:units = "um" ;

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DBAR1DC_RPC:long_name = "2D-C Mean Particle Diameter, 260X Emulation" ;
DBAR1DC_RPC:Category = "PMS Probe" ;
DBAR1DC_RPC:SerialNumber = "F2DC001" ;
DBAR1DC_RPC:DataQuality = "Good" ;
DBAR1DC_RPC:Dependencies = "1 C1DC_RPC" ;
float DBAR1DC_RPI(Time) ;
DBAR1DC_RPI:_FillValue = -32767.f ;
DBAR1DC_RPI:units = "um" ;
DBAR1DC_RPI:long_name = "2D-C Mean Particle Diameter, 260X Emulation" ;
DBAR1DC_RPI:Category = "PMS Probe" ;
DBAR1DC_RPI:SerialNumber = "F2DC002" ;
DBAR1DC_RPI:DataQuality = "Good" ;
DBAR1DC_RPI:Dependencies = "1 C1DC_RPI" ;
float DBAR3_LWI(Time, sps10) ;
DBAR3_LWI:_FillValue = -32767.f ;
DBAR3_LWI:units = "um" ;
DBAR3_LWI:long_name = "FSSP-300 Mean Particle Diameter" ;
DBAR3_LWI:Category = "PMS Probe" ;
DBAR3_LWI:SerialNumber = "FSSP305" ;
DBAR3_LWI:DataQuality = "Good" ;
DBAR3_LWI:Dependencies = "1 CS300_LWI" ;
float DBARD_RWO(Time, sps10) ;
DBARD_RWO:_FillValue = -32767.f ;
DBARD_RWO:units = "um" ;
DBARD_RWO:long_name = "CDP Mean Particle Diameter" ;
DBARD_RWO:Category = "PMS Probe" ;
DBARD_RWO:SerialNumber = "CDP001" ;
DBARD_RWO:DataQuality = "Good" ;
DBARD_RWO:Dependencies = "1 CCDP_RWO" ;
float DBARF_RWI(Time, sps10) ;
DBARF_RWI:_FillValue = -32767.f ;
DBARF_RWI:units = "um" ;
DBARF_RWI:long_name = "FSSP-100 Mean Particle Diameter" ;
DBARF_RWI:Category = "PMS Probe" ;
DBARF_RWI:SerialNumber = "FSSP109" ;
DBARF_RWI:DataQuality = "Good" ;
DBARF_RWI:Dependencies = "1 CS100_RWI" ;
float DBARP_LWO(Time, sps10) ;
DBARP_LWO:_FillValue = -32767.f ;
DBARP_LWO:units = "um" ;
DBARP_LWO:long_name = "PCAS Mean Particle Diameter" ;
DBARP_LWO:Category = "PMS Probe" ;
DBARP_LWO:SerialNumber = "PCAS108" ;
DBARP_LWO:DataQuality = "Good" ;
DBARP_LWO:Dependencies = "1 CS200_LWO" ;
float DPBC(Time) ;
DPBC:_FillValue = -32767.f ;
DPBC:units = "deg_C" ;
DPBC:long_name = "Dew Point Temperature, T-Electric Bottom" ;
DPBC:Category = "Atmos. State" ;
DPBC:standard_name = "dew_point_temperature" ;
DPBC:DataQuality = "Good" ;
DPBC:Dependencies = "1 DPB" ;
float DPTC(Time) ;
DPTC:_FillValue = -32767.f ;
DPTC:units = "deg_C" ;
DPTC:long_name = "Dew Point Temperature, T-Electric Top" ;
DPTC:Category = "Atmos. State" ;
DPTC:standard_name = "dew_point_temperature" ;
DPTC:DataQuality = "Good" ;
DPTC:Dependencies = "1 DPT" ;
float DPUV(Time, sps25) ;
DPUV:_FillValue = -32767.f ;
DPUV:units = "deg_C" ;
DPUV:long_name = "Dew Point Temperature, Fast Humidity" ;
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    DPUV:Category = "Atmos. State" ;
    DPUV:standard_name = "dew_point_temperature" ;
    DPUV:DataQuality = "Good" ;
    DPUV:Dependencies = "2 RHOUV ATX" ;
float DPXC(Time, sps25) ;
    DPXC:_FillValue = -32767.f ;
    DPXC:units = "deg_C" ;
    DPXC:long_name = "Dew Point Temperature, Reference" ;
    DPXC:Category = "Atmos. State" ;
    DPXC:standard_name = "dew_point_temperature" ;
    DPXC:DataQuality = "Good" ;
    DPXC:Dependencies = "1 DPBC" ;
float EDPG(Time, sps25) ;
    EDPG:_FillValue = -32767.f ;
    EDPG:units = "hPa" ;
    EDPG:long_name = "Ambient Water Vapor Pressure, Reference" ;
    EDPG:Category = "Thermodynamic" ;
    EDPG:standard_name = "water_vapor_pressure" ;
    EDPG:DataQuality = "Good" ;
    EDPG:Dependencies = "2 DPXC PSXC" ;
float EDPUV(Time, sps25) ;
    EDPUV:_FillValue = -32767.f ;
    EDPUV:units = "hPa" ;
    EDPUV:long_name = "Ambient Water Vapor Pressure, UV Hygrometer" ;
    EDPUV:Category = "Thermodynamic" ;
    EDPUV:standard_name = "water_vapor_pressure" ;
    EDPUV:DataQuality = "Good" ;
    EDPUV:Dependencies = "2 DPUV PSXC" ;
float FCNC(Time) ;
    FCNC:_FillValue = -32767.f ;
    FCNC:units = "vlpn" ;
    FCNC:long_name = "Corrected CN Counter Sample Flow Rate" ;
    FCNC:Category = "Chemistry" ;
    FCNC:DataQuality = "Good" ;
    FCNC:Dependencies = "3 FCN PCN CNTEMP" ;
float IRBC(Time) ;
    IRBC:_FillValue = -32767.f ;
    IRBC:units = "W/m2" ;
    IRBC:long_name = "Corrected Infrared Irradiance, Bottom" ;
    IRBC:Category = "Radiation" ;
    IRBC:DataQuality = "Good" ;
    IRBC:Dependencies = "3 IRB STB DTB" ;
float IRTC(Time) ;
    IRTC:_FillValue = -32767.f ;
    IRTC:units = "W/m2" ;
    IRTC:long_name = "Corrected Infrared Irradiance, Top" ;
    IRTC:Category = "Radiation" ;
    IRTC:DataQuality = "Good" ;
    IRTC:Dependencies = "3 IRT STT DTT" ;
float LATC(Time) ;
    LATC:_FillValue = -32767.f ;
    LATC:units = "degree_N" ;
    LATC:long_name = "GPS-Corrected Inertial Latitude" ;
    LATC:valid_range = -90.f, 90.f ;
    LATC:Category = "Position" ;
    LATC:standard_name = "latitude" ;
    LATC:DataQuality = "Preliminary" ;
    LATC:Dependencies = "11 LAT LON GGLAT_NTL GGLON_NTL VNS VIEW GGVNS_NTL
GGVEW_NTL ROLL GGNSAT_NTL GGSTATUS_NTL" ;
    LATC:GPS_ROLL_MAX = 40.f ;
    LATC:GPS_TAUP = 600.f ;
    LATC:GPS_TAU = 120.f ;
    LATC:coordinate_system = "WGS84" ;
float LONC(Time, sps25) ;
    LONC:_FillValue = -32767.f ;

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LONC:units = "degree_E" ;
LONC:long_name = "GPS-Corrected Inertial Longitude" ;
LONC:valid_range = -180.f, 180.f ;
LONC:Category = "Position" ;
LONC:standard_name = "longitude" ;
LONC:DataQuality = "Good" ;
LONC:Dependencies = "1 LATC" ;
LONC:coordinate_system = "WGS84" ;
float MR(Time, sps25) ;
MR:_FillValue = -32767.f ;
MR:units = "gram/kg" ;
MR:long_name = "Mixing Ratio, T-Electric" ;
MR:Category = "Atmos. State" ;
MR:standard_name = "humidity_mixing_ratio" ;
MR:DataQuality = "Good" ;
MR:Dependencies = "2 PSXC EDPC" ;
float MRUV(Time, sps25) ;
MRUV:_FillValue = -32767.f ;
MRUV:units = "gram/kg" ;
MRUV:long_name = "UV Hygrometer Mixing Ratio" ;
MRUV:Category = "Atmos. State" ;
MRUV:standard_name = "humidity_mixing_ratio" ;
MRUV:DataQuality = "Good" ;
MRUV:Dependencies = "2 PSXC EDPUV" ;
float OAT(Time) ;
OAT:_FillValue = -32767.f ;
OAT:units = "deg_C" ;
OAT:long_name = "Ambient Temperature, Ophir III" ;
OAT:Category = "Non-Standard" ;
OAT:standard_name = "air_temperature" ;
OAT:DataQuality = "Good" ;
OAT:Dependencies = "7 OBBCOD ODETDC OTDET OTBBC ODETSO OTSNT OTBNCH" ;
OAT:MAXCNT = 62500.f ;
OAT:THERM_BIAS = 5.f ;
OAT:THERM_RZ = 36.4f ;
OAT:THERM_COEFF = -2700.f ;
OAT:DFLT_OFFSET = 31515.f ;
OAT:A1 = -3.456e-05f ;
OAT:A2 = -8.481e-06f ;
OAT:A3 = 0.f ;
OAT:A4 = 1.0915f ;
OAT:A5 = 0.f ;
float ONE(Time) ;
ONE:_FillValue = -32767.f ;
ONE:units = "none" ;
ONE:long_name = "Constant value of 1." ;
ONE:Category = "Housekeeping" ;
ONE:DataQuality = "Good" ;
ONE:Dependencies = "0" ;
float PALT(Time, sps25) ;
PALT:_FillValue = -32767.f ;
PALT:units = "m" ;
PALT:long_name = "NACA Pressure Altitude" ;
PALT:Category = "Position" ;
PALT:standard_name = "altitude" ;
PALT:DataQuality = "Good" ;
PALT:Dependencies = "1 PSXC" ;
PALT:ASTG = 1013.246f ;
PALT:SFCT = 296.15f ;
float PALTF(Time, sps25) ;
PALTF:_FillValue = -32767.f ;
PALTF:units = "feet" ;
PALTF:long_name = "NACA Pressure Altitude" ;
PALTF:Category = "Position" ;
PALTF:standard_name = "altitude" ;
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PALTF:DataQuality = "Good" ;
PALTF:Dependencies = "1 PALT" ;
float PFLWC_LWO(Time, sps10) ;
PFLWC_LWO:_FillValue = -32767.f ;
PFLWC_LWO:units = "vol cm3/s" ;
PFLWC_LWO:long_name = "PCAS Corrected Flow" ;
PFLWC_LWO:Category = "PMS Probe" ;
PFLWC_LWO:SerialNumber = "PCAS108" ;
PFLWC_LWO:DataQuality = "Good" ;
PFLWC_LWO:Dependencies = "3 PFLW_LWO PSXC ATX" ;
float PLWC1DC_RPC(Time) ;
PLWC1DC_RPC:_FillValue = -32767.f ;
PLWC1DC_RPC:units = "gram/m3" ;
PLWC1DC_RPC:long_name = "2D-C Water/Ice Content, 260X Emulation" ;
PLWC1DC_RPC:Category = "PMS Probe" ;
PLWC1DC_RPC:SerialNumber = "F2DC001" ;
PLWC1DC_RPC:DataQuality = "Good" ;
PLWC1DC_RPC:Dependencies = "1 C1DC_RPC" ;
float PLWC1DC_RPI(Time) ;
PLWC1DC_RPI:_FillValue = -32767.f ;
PLWC1DC_RPI:units = "gram/m3" ;
PLWC1DC_RPI:long_name = "2D-C Water/Ice Content, 260X Emulation" ;
PLWC1DC_RPI:Category = "PMS Probe" ;
PLWC1DC_RPI:SerialNumber = "F2DC002" ;
PLWC1DC_RPI:DataQuality = "Good" ;
PLWC1DC_RPI:Dependencies = "1 C1DC_RPI" ;
float PLWCC1(Time, sps25) ;
PLWCC1:_FillValue = -32767.f ;
PLWCC1:units = "gram/m3" ;
PLWCC1:long_name = "Corrected PMS-King Liquid Water Content" ;
PLWCC1:Category = "Liquid Water" ;
PLWCC1:DataQuality = "Good" ;
PLWCC1:Dependencies = "5 PLWC1 TASX ATX PSXC XGLWC" ;
PLWCC1:TWIRE_PMS1 = 162.f ;
PLWCC1:TWIRE_TASFAC1 = 1.f ;
PLWCC1:TWIRE_DIAM1 = 0.1805f ;
float PLWCD_RWO(Time, sps10) ;
PLWCD_RWO:_FillValue = -32767.f ;
PLWCD_RWO:units = "gram/m3" ;
PLWCD_RWO:long_name = "CDP Water/Ice Content" ;
PLWCD_RWO:Category = "PMS Probe" ;
PLWCD_RWO:SerialNumber = "CDP001" ;
PLWCD_RWO:DataQuality = "Good" ;
PLWCD_RWO:Dependencies = "1 CDP_RWO" ;
float PLWCF_RWI(Time, sps10) ;
PLWCF_RWI:_FillValue = -32767.f ;
PLWCF_RWI:units = "gram/m3" ;
PLWCF_RWI:long_name = "FSSP-100 Water/Ice Content" ;
PLWCF_RWI:Category = "PMS Probe" ;
PLWCF_RWI:SerialNumber = "FSSP109" ;
PLWCF_RWI:DataQuality = "Good" ;
PLWCF_RWI:Dependencies = "1 CS100_RWI" ;
float PSFC(Time, sps25) ;
PSFC:_FillValue = -32767.f ;
PSFC:units = "hPa" ;
PSFC:long_name = "Corrected Static Pressure, Fuselage" ;
PSFC:Category = "Atmos. State" ;
PSFC:standard_name = "air_pressure" ;
PSFC:DataQuality = "Good" ;
PSFC:Dependencies = "2 PSFRD QCFR" ;
float PSFDC(Time, sps25) ;
PSFDC:_FillValue = -32767.f ;
PSFDC:units = "hPa" ;
PSFDC:long_name = "Corrected Static Pressure, Fuselage Digital" ;
PSFDC:Category = "Atmos. State" ;
```

```
PSFDC:standard_name = "air_pressure" ;
PSFDC:DataQuality = "Good" ;
PSFDC:Dependencies = "2 PSFD AQRATIO" ;
float PSX(Time, sps25) ;
PSX:_FillValue = -32767.f ;
PSX:units = "hPa" ;
PSX:long_name = "Raw Static Pressure, Reference" ;
PSX:Category = "Uncorr\'d Raw" ;
PSX:standard_name = "air_pressure" ;
PSX:DataQuality = "Good" ;
PSX:Dependencies = "1 PSFRD" ;
float PSXC(Time, sps25) ;
PSXC:_FillValue = -32767.f ;
PSXC:units = "hPa" ;
PSXC:long_name = "Corrected Static Pressure, Reference" ;
PSXC:Category = "Atmos. State" ;
PSXC:standard_name = "air_pressure" ;
PSXC:DataQuality = "Good" ;
PSXC:Dependencies = "1 PSFC" ;
float QCFC(Time, sps25) ;
QCFC:_FillValue = -32767.f ;
QCFC:units = "hPa" ;
QCFC:long_name = "Corrected Dynamic Pressure, Fuselage" ;
QCFC:Category = "Aircraft State" ;
QCFC:DataQuality = "Good" ;
QCFC:Dependencies = "2 QCF AQRATIO" ;
float QCFRC(Time, sps25) ;
QCFRC:_FillValue = -32767.f ;
QCFRC:units = "hPa" ;
QCFRC:long_name = "Raw Dynamic Pressure, Fuselage Right, Corrected" ;
QCFRC:Category = "Derived" ;
QCFRC:DataQuality = "Good" ;
QCFRC:Dependencies = "2 QCFR PSFRD" ;
float QCRC(Time, sps25) ;
QCRC:_FillValue = -32767.f ;
QCRC:units = "hPa" ;
QCRC:long_name = "Corrected Dynamic Pressure, Radome" ;
QCRC:Category = "Aircraft State" ;
QCRC:DataQuality = "Good" ;
QCRC:Dependencies = "4 QCR ADIFR BDIFR AQRATIO" ;
float QCX(Time, sps25) ;
QCX:_FillValue = -32767.f ;
QCX:units = "hPa" ;
QCX:long_name = "Raw Dynamic Pressure, Reference" ;
QCX:Category = "Uncorr\'d Raw" ;
QCX:DataQuality = "Good" ;
QCX:Dependencies = "1 QCR" ;
float QCXC(Time, sps25) ;
QCXC:_FillValue = -32767.f ;
QCXC:units = "hPa" ;
QCXC:long_name = "Corrected Dynamic Pressure, Reference" ;
QCXC:Category = "Aircraft State" ;
QCXC:DataQuality = "Good" ;
QCXC:Dependencies = "1 QCRC" ;
float RALT(Time, sps25) ;
RALT:_FillValue = -32767.f ;
RALT:units = "m" ;
RALT:long_name = "Geometric (Radar) Altitude (APN-232)" ;
RALT:Category = "Position" ;
RALT:standard_name = "height" ;
RALT:DataQuality = "Good" ;
RALT:Dependencies = "1 HGM232" ;
float REFFD_RWO(Time, sps10) ;
REFFD_RWO:_FillValue = -32767.f ;
REFFD_RWO:units = "um" ;
```

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REFFD_RWO:long_name = "CDP Effective Radius" ;
REFFD_RWO:Category = "PMS Probe" ;
REFFD_RWO:SerialNumber = "CDP001" ;
REFFD_RWO:DataQuality = "Good" ;
REFFD_RWO:Dependencies = "1 CCDP_RWO" ;
float REFFF_RWI(Time, sps10) ;
REFFF_RWI:_FillValue = -32767.f ;
REFFF_RWI:units = "um" ;
REFFF_RWI:long_name = "FSSP-100 Effective Radius" ;
REFFF_RWI:Category = "PMS Probe" ;
REFFF_RWI:SerialNumber = "FSSP109" ;
REFFF_RWI:DataQuality = "Good" ;
REFFF_RWI:Dependencies = "1 CS100_RWI" ;
float RHODT(Time) ;
RHODT:_FillValue = -32767.f ;
RHODT:units = "gram/m3" ;
RHODT:long_name = "Absolute Humidity, T-Electric Top" ;
RHODT:Category = "Atmos. State" ;
RHODT:DataQuality = "Good" ;
RHODT:Dependencies = "2 ATX EDPC" ;
float RHOUV(Time, sps25) ;
RHOUV:_FillValue = -32767.f ;
RHOUV:units = "gram/m3" ;
RHOUV:long_name = "Absolute Humidity, RAF Fast Hygrometer" ;
RHOUV:Category = "Atmos. State" ;
RHOUV:standard_name = "relative_humidity" ;
RHOUV:DataQuality = "Good" ;
RHOUV:Dependencies = "4 XUVI RHODT DPXC ATX" ;
RHOUV:RHOUV_CAL = 0.25f, 60.f, 0.f, 0.f ;
float RHUM(Time, sps25) ;
RHUM:_FillValue = -32767.f ;
RHUM:units = "%" ;
RHUM:long_name = "Relative Humidity" ;
RHUM:Category = "Atmos. State" ;
RHUM:standard_name = "relative_humidity" ;
RHUM:DataQuality = "Good" ;
RHUM:Dependencies = "3 ATX PSXC EDPUV" ;
float SSLIP(Time, sps25) ;
SSLIP:_FillValue = -32767.f ;
SSLIP:units = "degree" ;
SSLIP:long_name = "Sideslip Angle, Reference" ;
SSLIP:Category = "Aircraft State" ;
SSLIP:DataQuality = "Good" ;
SSLIP:Dependencies = "1 SSRD" ;
float SSRD(Time, sps25) ;
SSRD:_FillValue = -32767.f ;
SSRD:units = "degree" ;
SSRD:long_name = "Sideslip Angle, Radome Diff. Pressure" ;
SSRD:Category = "Aircraft State" ;
SSRD:DataQuality = "Good" ;
SSRD:Dependencies = "3 BDIR QCXC XMACH2" ;
float TASF(Time, sps25) ;
TASF:_FillValue = -32767.f ;
TASF:units = "m/s" ;
TASF:long_name = "Aircraft True Airspeed, Fuselage" ;
TASF:Category = "Aircraft State" ;
TASF:standard_name = "platform_speed_wrt_air" ;
TASF:DataQuality = "Good" ;
TASF:Dependencies = "3 QCFC PSFC TTX" ;
float TASHC(Time, sps25) ;
TASHC:_FillValue = -32767.f ;
TASHC:units = "m/s" ;
TASHC:long_name = "Aircraft True Airspeed, Humidity Corrected" ;
TASHC:Category = "Aircraft State" ;
TASHC:standard_name = "platform_speed_wrt_air" ;
```



```
TASHC:DataQuality = "Good" ;
TASHC:Dependencies = "2 TASX MR" ;
float TASR(Time, sps25) ;
TASR:_FillValue = -32767.f ;
TASR:units = "m/s" ;
TASR:long_name = "Aircraft True Airspeed, Radome" ;
TASR:Category = "Aircraft State" ;
TASR:standard_name = "platform_speed_wrt_air" ;
TASR:DataQuality = "Good" ;
TASR:Dependencies = "3 QCRC PSFC TTX" ;
float TASX(Time, sps25) ;
TASX:_FillValue = -32767.f ;
TASX:units = "m/s" ;
TASX:long_name = "Aircraft True Airspeed, Reference" ;
TASX:Category = "Aircraft State" ;
TASX:standard_name = "platform_speed_wrt_air" ;
TASX:DataQuality = "Good" ;
TASX:Dependencies = "1 TASR" ;
float THETA(Time, sps25) ;
THETA:_FillValue = -32767.f ;
THETA:units = "K" ;
THETA:long_name = "Potential Temperature" ;
THETA:Category = "Thermodynamic" ;
THETA:standard_name = "air_potential_temperature" ;
THETA:DataQuality = "Good" ;
THETA:Dependencies = "2 ATX PSXC" ;
float THETAE(Time, sps25) ;
THETAE:_FillValue = -32767.f ;
THETAE:units = "K" ;
THETAE:long_name = "Equivalent Potential Temperature" ;
THETAE:Category = "Thermodynamic" ;
THETAE:standard_name = "equivalent_potential_temperature" ;
THETAE:DataQuality = "Good" ;
THETAE:Dependencies = "4 ATX PSXC EDPUV MRUV" ;
float THETA_V(Time, sps25) ;
THETA_V:_FillValue = -32767.f ;
THETA_V:units = "K" ;
THETA_V:long_name = "Virtual Potential Temperature" ;
THETA_V:Category = "Thermodynamic" ;
THETA_V:DataQuality = "Good" ;
THETA_V:Dependencies = "3 ATX PSXC EDPUV" ;
float TTWHC(Time, sps25) ;
TTWHC:_FillValue = -32767.f ;
TTWHC:units = "deg_C" ;
TTWHC:long_name = "Total Temperature, Deiced Wing, Corrected" ;
TTWHC:Category = "Uncorr'd Raw" ;
TTWHC:DataQuality = "Good" ;
TTWHC:Dependencies = "3 TTWH XMACH2 PSXC" ;
TTWHC:Calibrations = -1.4025f, -1.7841f ;
float TTX(Time, sps25) ;
TTX:_FillValue = -32767.f ;
TTX:units = "deg_C" ;
TTX:long_name = "Total Temperature, Reference" ;
TTX:Category = "Uncorr'd Raw" ;
TTX:DataQuality = "Good" ;
TTX:Dependencies = "1 TTRR" ;
float UI(Time, sps25) ;
UI:_FillValue = -32767.f ;
UI:units = "m/s" ;
UI:long_name = "Wind Vector, East Component" ;
UI:Category = "Wind" ;
UI:standard_name = "eastward_wind" ;
UI:DataQuality = "Good" ;
UI:Dependencies = "1 WI" ;
float UIC(Time, sps25) ;
```

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    UIC:_FillValue = -32767.f ;
    UIC:units = "m/s" ;
    UIC:long_name = "GPS-Corrected Wind Vector, East Component" ;
    UIC:Category = "Wind" ;
    UIC:standard_name = "eastward_wind" ;
    UIC:DataQuality = "Good" ;
    UIC:Dependencies = "1 WIC" ;
float UX(Time, sps25) ;
    UX:_FillValue = -32767.f ;
    UX:units = "m/s" ;
    UX:long_name = "Wind Vector, Longitudinal Component" ;
    UX:Category = "Wind" ;
    UX:DataQuality = "Good" ;
    UX:Dependencies = "1 WI" ;
float UXC(Time, sps25) ;
    UXC:_FillValue = -32767.f ;
    UXC:units = "m/s" ;
    UXC:long_name = "GPS-Corrected Wind Vector, Longitudinal Component" ;
    UXC:Category = "Wind" ;
    UXC:DataQuality = "Good" ;
    UXC:Dependencies = "1 WIC" ;
float VEWC(Time, sps25) ;
    VEWC:_FillValue = -32767.f ;
    VEWC:units = "m/s" ;
    VEWC:long_name = "GPS-Corrected Inertial Ground Speed Vector, East Component"
;
    VEWC:Category = "Aircraft State" ;
    VEWC:DataQuality = "Good" ;
    VEWC:Dependencies = "6 LATC UI VI UX VY WI" ;
float VI(Time, sps25) ;
    VI:_FillValue = -32767.f ;
    VI:units = "m/s" ;
    VI:long_name = "Wind Vector, North Component" ;
    VI:Category = "Wind" ;
    VI:standard_name = "northward_wind" ;
    VI:DataQuality = "Good" ;
    VI:Dependencies = "1 WI" ;
float VIC(Time, sps25) ;
    VIC:_FillValue = -32767.f ;
    VIC:units = "m/s" ;
    VIC:long_name = "GPS-Corrected Wind Vector, North Component" ;
    VIC:Category = "Wind" ;
    VIC:standard_name = "northward_wind" ;
    VIC:DataQuality = "Good" ;
    VIC:Dependencies = "1 WIC" ;
float VNSC(Time, sps25) ;
    VNSC:_FillValue = -32767.f ;
    VNSC:units = "m/s" ;
    VNSC:long_name = "GPS-Corrected Inertial Ground Speed Vector, North
Component" ;
    VNSC:Category = "Aircraft State" ;
    VNSC:DataQuality = "Good" ;
    VNSC:Dependencies = "1 LATC" ;
float VY(Time, sps25) ;
    VY:_FillValue = -32767.f ;
    VY:units = "m/s" ;
    VY:long_name = "Wind Vector, Lateral Component" ;
    VY:Category = "Wind" ;
    VY:DataQuality = "Good" ;
    VY:Dependencies = "1 WI" ;
float VYC(Time, sps25) ;
    VYC:_FillValue = -32767.f ;
    VYC:units = "m/s" ;
    VYC:long_name = "GPS-Corrected Wind Vector, Lateral Component" ;
    VYC:Category = "Wind" ;

```

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VYC:DataQuality = "Good" ;
VYC:Dependencies = "1 WIC" ;
float WD(Time, sps25) ;
WD:_FillValue = -32767.f ;
WD:units = "degree_T" ;
WD:long_name = "Horizontal Wind Direction" ;
WD:valid_range = 0.f, 360.f ;
WD:Category = "Wind" ;
WD:standard_name = "wind_from_direction" ;
WD:DataQuality = "Good" ;
WD:Dependencies = "2 UI VI" ;
WD:modulus_range = 0.f, 360.f ;
float WDC(Time, sps25) ;
WDC:_FillValue = -32767.f ;
WDC:units = "degree_T" ;
WDC:long_name = "GPS-Corrected Horizontal Wind Direction" ;
WDC:valid_range = 0.f, 360.f ;
WDC:Category = "Wind" ;
WDC:standard_name = "wind_from_direction" ;
WDC:DataQuality = "Good" ;
WDC:Dependencies = "2 UIC VIC" ;
WDC:modulus_range = 0.f, 360.f ;
float WI(Time, sps25) ;
WI:_FillValue = -32767.f ;
WI:units = "m/s" ;
WI:long_name = "Wind Vector, Vertical Gust Component" ;
WI:Category = "Wind" ;
WI:standard_name = "upward_air_velocity" ;
WI:DataQuality = "Good" ;
WI:Dependencies = "9 TASX VEW VNS PITCH ROLL THDG ATTACK SSLIP VSPD" ;
float WIC(Time, sps25) ;
WIC:_FillValue = -32767.f ;
WIC:units = "m/s" ;
WIC:long_name = "GPS-Corrected Wind Vector, Vertical Gust Component" ;
WIC:Category = "Wind" ;
WIC:standard_name = "upward_air_velocity" ;
WIC:DataQuality = "Good" ;
WIC:Dependencies = "9 TASX VEW VNSC PITCH ROLL THDG ATTACK SSLIP VSPD" ;
float WP3(Time, sps25) ;
WP3:_FillValue = -32767.f ;
WP3:units = "m/s" ;
WP3:long_name = "Damped Aircraft Vertical Velocity" ;
WP3:Category = "Aircraft State" ;
WP3:DataQuality = "Good" ;
WP3:Dependencies = "5 LAT VEW VNS PALT ACINS" ;
float WS(Time, sps25) ;
WS:_FillValue = -32767.f ;
WS:units = "m/s" ;
WS:long_name = "Horizontal Wind Speed" ;
WS:Category = "Wind" ;
WS:standard_name = "wind_speed" ;
WS:DataQuality = "Good" ;
WS:Dependencies = "2 UI VI" ;
float WSC(Time, sps25) ;
WSC:_FillValue = -32767.f ;
WSC:units = "m/s" ;
WSC:long_name = "GPS-Corrected Horizontal Wind Speed" ;
WSC:Category = "Wind" ;
WSC:standard_name = "wind_speed" ;
WSC:DataQuality = "Good" ;
WSC:Dependencies = "2 UIC VIC" ;
float XGRFF(Time, sps25) ;
XGRFF:_FillValue = -32767.f ;
XGRFF:units = "um" ;
XGRFF:long_name = "Gerber PV-100 Effective Droplet Radius" ;
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XGRFF:Category = "Derived" ;
XGRFF:DataQuality = "Good" ;
XGRFF:Dependencies = "2 XGLWC XGSFC" ;
float XICNC(Time) ;
XICNC:_FillValue = -32767.f ;
XICNC:units = "vlpm" ;
XICNC:long_name = "Corrected CN Isokinetic Side Flow Rate" ;
XICNC:Category = "Chemistry" ;
XICNC:DataQuality = "Good" ;
XICNC:Dependencies = "3 XICN PCN CNTEMP" ;
float XMACH2(Time, sps25) ;
XMACH2:_FillValue = -32767.f ;
XMACH2:units = "none" ;
XMACH2:long_name = "Aircraft Mach Number Squared" ;
XMACH2:Category = "Thermodynamic" ;
XMACH2:DataQuality = "Good" ;
XMACH2:Dependencies = "2 QCXC PSXC" ;
float XNEPHC(Time, sps25) ;
XNEPHC:_FillValue = -32767.f ;
XNEPHC:units = "/Mm" ;
XNEPHC:long_name = "Aerosol Scattering at 550 nm" ;
XNEPHC:Category = "Derived" ;
XNEPHC:DataQuality = "Good" ;
XNEPHC:Dependencies = "1 XNEPH" ;
float ZERO(Time) ;
ZERO:_FillValue = -32767.f ;
ZERO:units = "none" ;
ZERO:long_name = "Constant value of 0." ;
ZERO:Category = "Housekeeping" ;
ZERO:DataQuality = "Good" ;
ZERO:Dependencies = "0" ;
float TSURF(Time) ;
TSURF:_FillValue = -32767.f ;
TSURF:units = "deg_C" ;
TSURF:long_name = "Sea Surface Temperature" ;
TSURF:Category = "Derived" ;
TSURF:DataQuality = "Preliminary" ;
TSURF:Dependencies = "2 RSTB PALT" ;
float CVINLET(Time) ;
CVINLET:_FillValue = -32767.f ;
CVINLET:units = "none" ;
CVINLET:long_name = "CVI Inlet Flag: 0=CVI, 1=ambient" ;
float CVFXFLOWS(Time) ;
CVFXFLOWS:_FillValue = -32767.f ;
CVFXFLOWS:units = "none" ;
CVFXFLOWS:long_name = "CVI Flow Flag" ;
float CVPCN(Time) ;
CVPCN:_FillValue = -32767.f ;
CVPCN:units = "mb" ;
CVPCN:long_name = "CVI CN inlet pressure" ;
float CVTCN(Time) ;
CVTCN:_FillValue = -32767.f ;
CVTCN:units = "deg_C" ;
CVTCN:long_name = "CVI CN inlet temp" ;
float CVFX5C(Time) ;
CVFX5C:_FillValue = -32767.f ;
CVFX5C:units = "vlpm" ;
CVFX5C:long_name = "CVI user flow 5, Anderson SEM" ;
float CVFX6C(Time) ;
CVFX6C:_FillValue = -32767.f ;
CVFX6C:units = "vlpm" ;
CVFX6C:long_name = "CVI user flow 6, Anderson TEM" ;
float CVFX7C(Time) ;
CVFX7C:_FillValue = -32767.f ;
CVFX7C:units = "vlpm" ;
```

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        CVFX7C:long_name = "CVI user flow 7, UHawaii AMS" ;
float CVFX8C(Time) ;
        CVFX8C:_FillValue = -32767.f ;
        CVFX8C:units = "vlpn" ;
        CVFX8C:long_name = "CVI user flow 8, unused" ;
float CVCWC(Time) ;
        CVCWC:_FillValue = -32767.f ;
        CVCWC:units = "g/m-3" ;
        CVCWC:long_name = "CVI condensed water content" ;
float CVRAD(Time) ;
        CVRAD:_FillValue = -32767.f ;
        CVRAD:units = "microns" ;
        CVRAD:long_name = "CVI cut radius" ;
float CVCFACT(Time) ;
        CVCFACT:_FillValue = -32767.f ;
        CVCFACT:units = "none" ;
        CVCFACT:long_name = "CVI concentration factor" ;

// global attributes:
        :Source = "NCAR Research Aviation Facility" ;
        :Address = "P.O. Box 3000, Boulder, CO 80307-3000" ;
        :Phone = "(303) 497-1030" ;
        :Conventions = "NCAR-RAF/nimbus" ;
        :ConventionsURL = "http://www.eol.ucar.edu/raf/Software/netCDF.html" ;
        :ConventionsVersion = "1.3" ;
        :ProcessorRevision = "4470" ;
        :ProcessorURL = "http://svn/svn/raf/trunk/nimbus" ;
        :DateProcessed = "2009-06-24 21:43:16 +0000" ;
        :ProjectName = "VOCALS" ;
        :Platform = "N130AR" ;
        :ProjectNumber = "VOCALS" ;
        :FlightNumber = "rf01" ;
        :FlightDate = "10/15/2008" ;
        :InterpolationMethod = "Linear" ;
        :coordinates = "LONC LATC GGALT Time" ;
        :wind_field = "WSC WDC WIC" ;
        :landmarks = "39.9088 -105.117 jeffco,-12.0833 -77 lima,-18.4833 -70.3167
arica,-20.2167 -70.166 iquique" ;
        :TimeInterval = "16:48:00-20:12:00" ;
        :Categories = "Position,Thermodynamic,Aircraft State,Atmos. State,Liquid
Water,Uncorr\'d Raw,Wind,PMS Probe,Housekeeping,Chemistry,Radiation,Non-Standard" ;
}

```