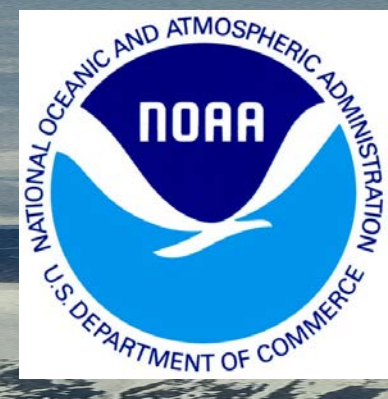


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# Datagrams: Alert



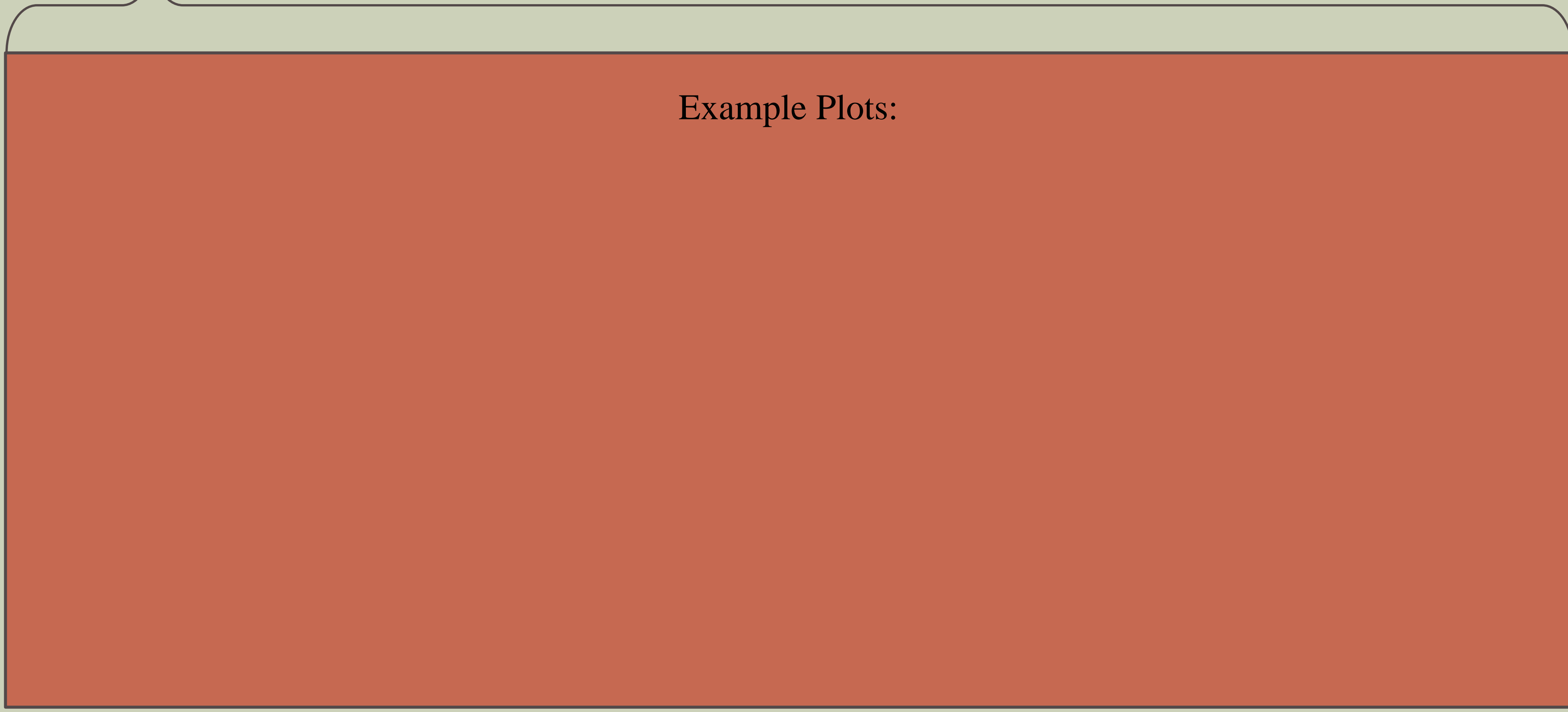
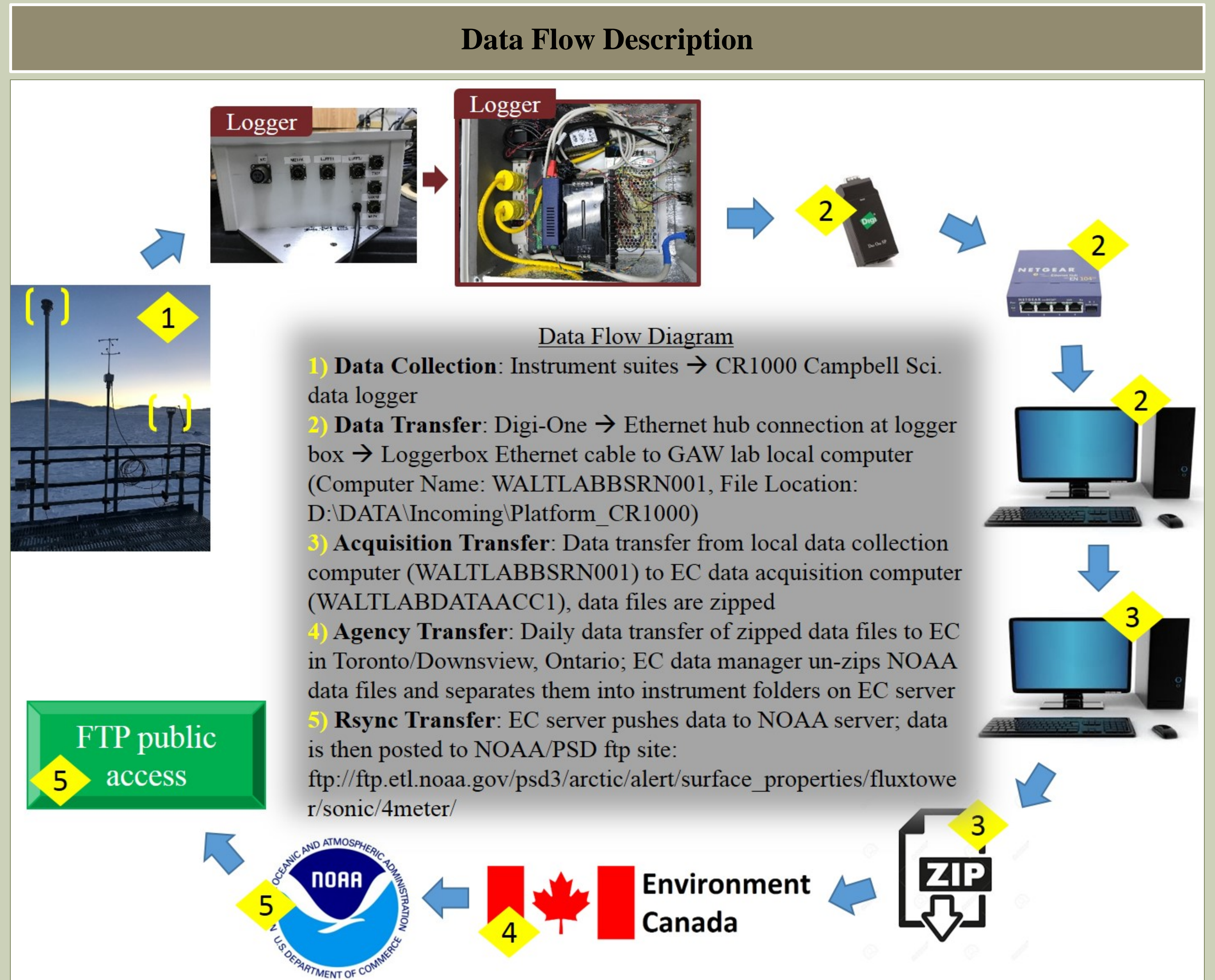
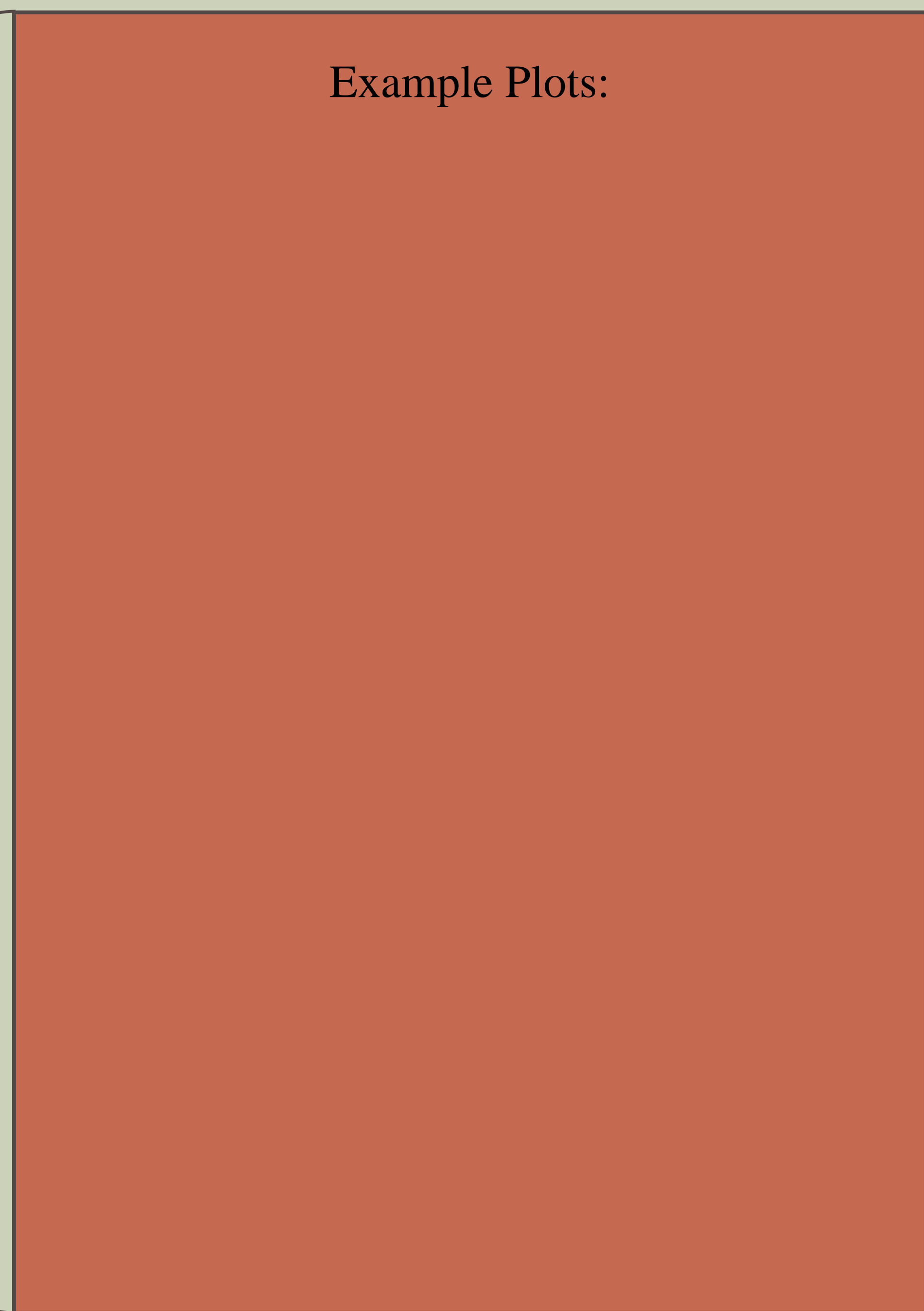
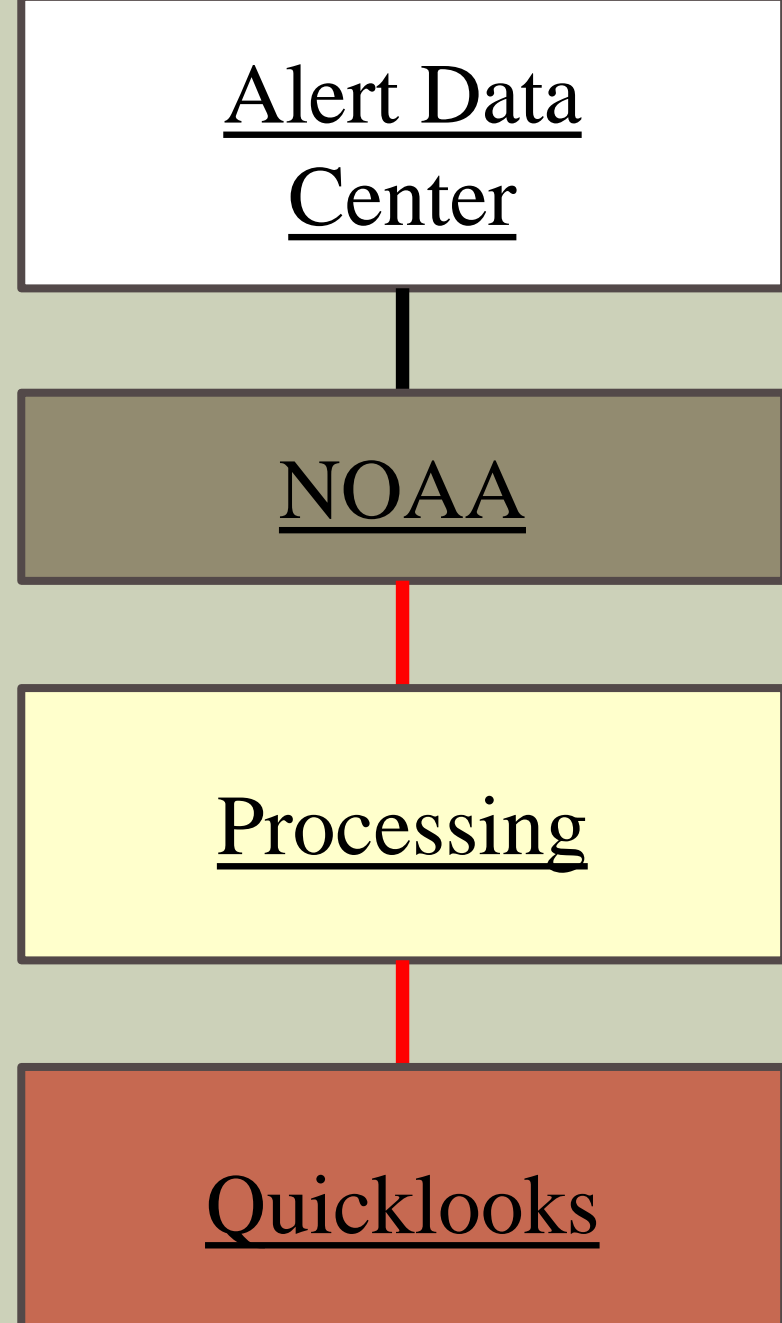
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## Lufft Wspeed/Wdirection & Soil Met

File name: (as of 1/11/17): alt2YYJJJ\_raw.txt  
 File location on ingest Server: /home/alert/Platform\_CR1000/

UTC time [mmssuuu]	Logger Temp [degC]	Battery [V]	1m Lufft temp [degC]	1m Lufft wspeed actual [m/s]	1m Lufft wdir actual [deg]	1m wdir vector average [deg]	1m Lufft pressure [mb]	1m Lufft wind quality [%]	1m Lufft wind error	1m Lufft air error	1m top heating plate temp [degC]	1m bottom heating plate temp [degC]
0002456	5.50057	12.03148	-30.0	3.2	193.7	203.7	988	100	0	0	-8.6	-8.7
0007460	5.50557	12.03148	-30.3	3.2	191.5	203.4	988	100	0	0	-8.6	-8.8

3m Lufft temp [degC]	3m Lufft wspeed actual [m/s]	3m Lufft wdir actual [deg]	3m wdir vector average [deg]	3m Lufft pressure [mb]	3m Lufft wind quality [%]	3m Lufft wind quality [%]	3m Lufft wind error	3m Lufft air error	3m top heating plate temp [degC]	3m bottom heating plate temp [degC]	Campbell Sci. soil moisture [m <sup>3</sup> m <sup>-3</sup> ]	T107C soil temp [degC]	M12x soil moisture [m <sup>3</sup> m <sup>-3</sup> ]
-29.0	2.8	186.9	198.6	987	100	100	0	0	-5.8	-6.6	NAN	NAN	NAN
-28.9	2.9	186.2	198.3	987	100	100	0	0	-5.8	-6.6	NAN	NAN	NAN



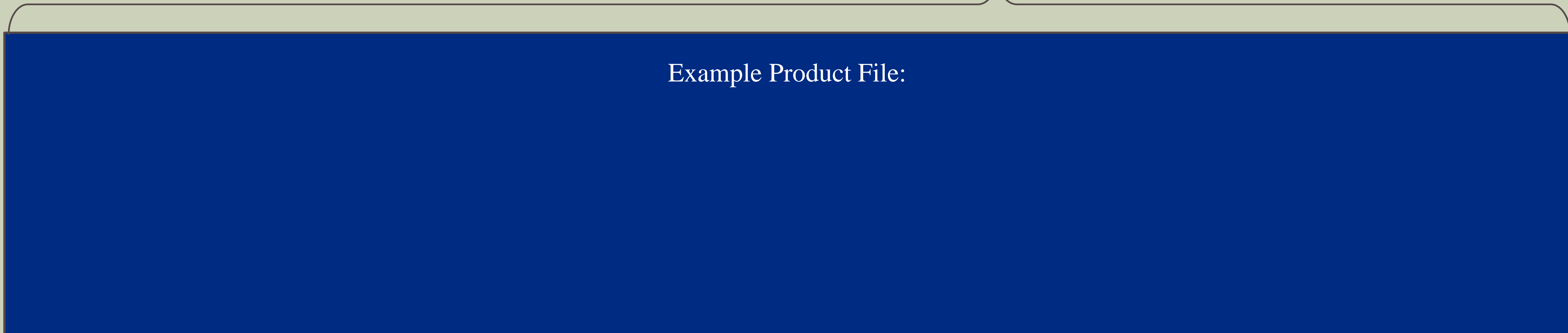
Ingest

Folder Name	File Name	FTP Location
Raw	alt2YYJJJhh_raw.txt	ftp://ftp.etl.noaa.gov/psd3/arctic/alert/surface_properties/towermet/raw/
Ingest		ftp://ftp.etl.noaa.gov/psd3/arctic/alert/surface_properties/towermet/ingest/
Products		ftp://ftp.etl.noaa.gov/psd3/arctic/alert/surface_properties/towermet/products/
Quicklooks		ftp://ftp.etl.noaa.gov/psd3/arctic/alert/surface_properties/towermet/quicklooks/

**Home:**  
<http://www.esrl.noaa.gov/psd/iasoa/>  
**Data:**  
<http://www.esrl.noaa.gov/psd/iasoa/dataataglance>

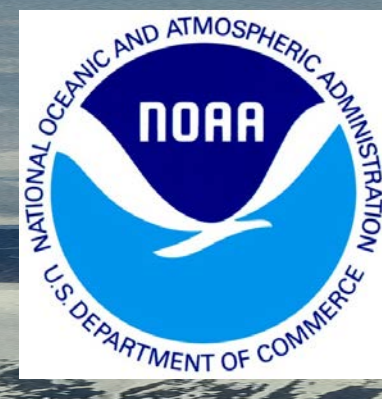
IASOA Portal

Product



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Datagrams:  
**Alert**



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**Lufft Wspeed/Wdirection & Soil Met**

**Instrument Specifications**



Calibration Values:

<b>Instrument Details</b>					
<b>Specifications</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Measurement</b>	Wind spd/dir	Wind spd/dir	Soil moisture	Soil temperature	Soil moisture
<b>Serial #</b>	235.0516.0901.029	254.0516.0901.029	297964	9661	389/039
<b>CD #</b>	n/a	n/a	n/a	n/a	n/a
<b>Country of Origin</b>	German	Germany	US	US	England
<b>Instrument Manufacturer</b>	Lufft USA	Lufft USA	Campbell Scientific	Made in-house (NOAA-PSD)	Delta-T: ThetaProbe
<b>Type/Model</b>	Ventus UMB	Ventus UMB	CS616-L	107-L	ML2x
<b>Special Notes</b>					
<b>Height</b>	1m	3m	depth	depth	depth
<b>Heated? (y/n)</b>	Yes; 24VDC / 240VA	Yes; 24VDC / 240VA	no	no	no
<b>Measurement Unit</b>	Wspd: m/s Wdir: deg	Wspd: m/s Wdir: deg	m <sup>3</sup> m <sup>-3</sup>	degC	m <sup>3</sup> m <sup>-3</sup>
<b>Calibration factors</b>			n/a	n/a	n/a
<b>Unit after Applied Calibration or Conversion</b>					
<b>Additional Corrections Applied (y/n/explain)</b>					