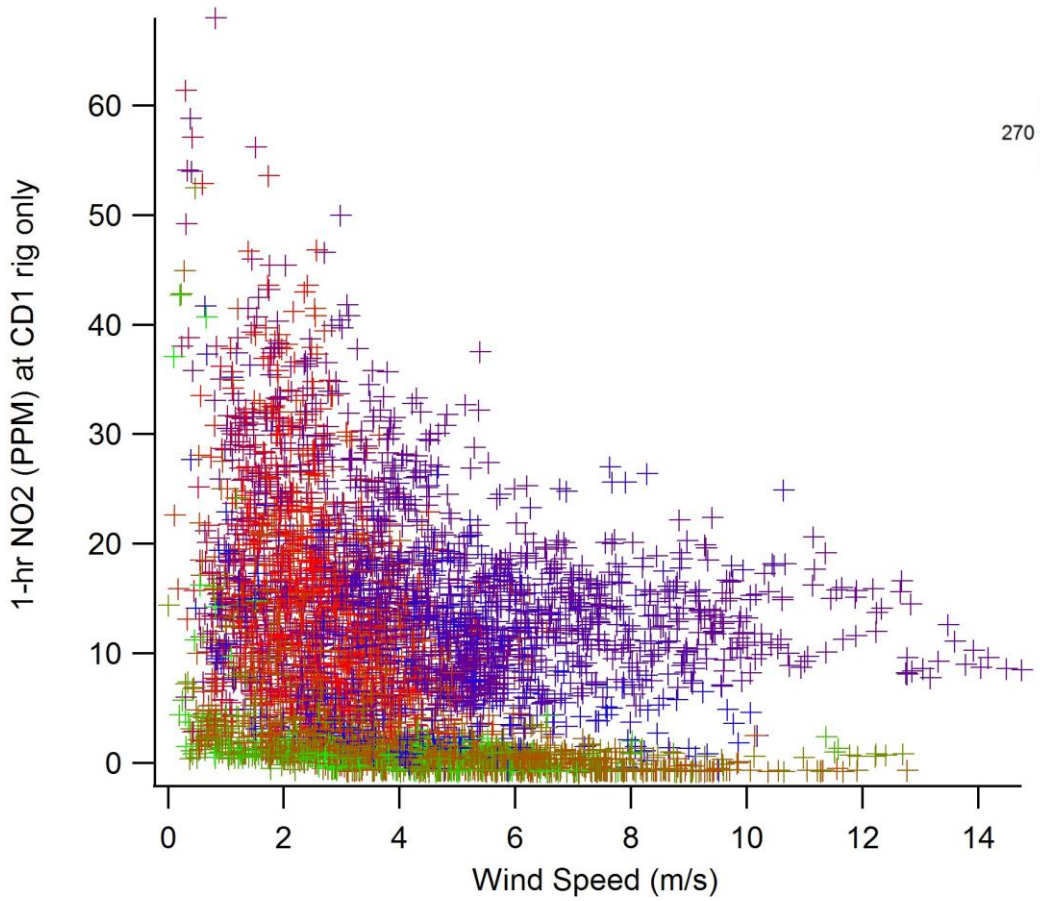
Transportable Drill Rigs

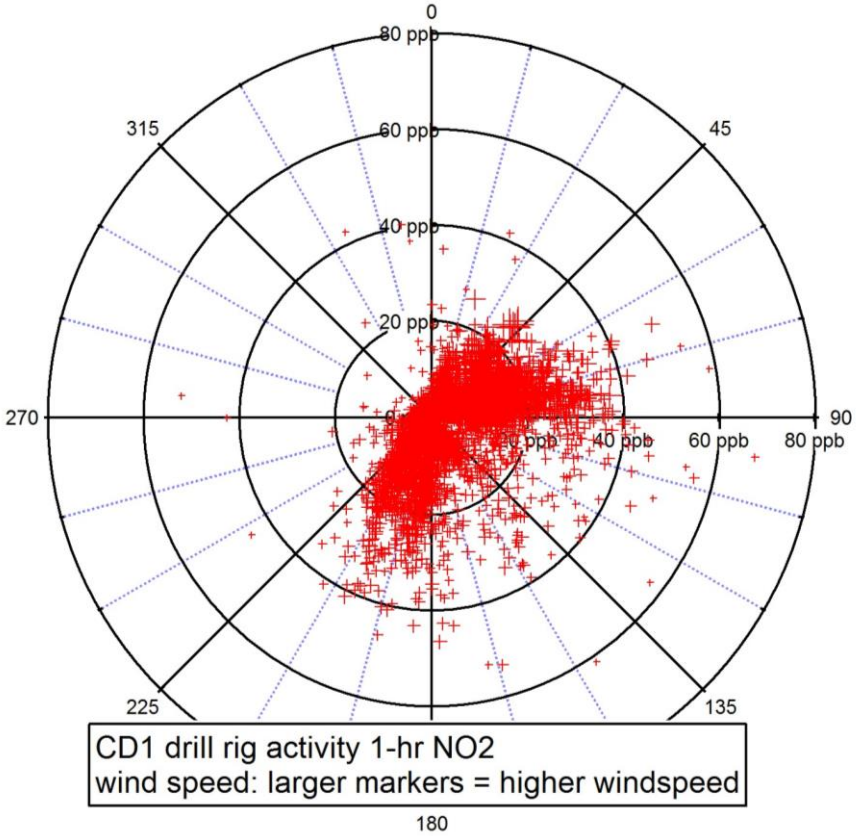
Initial ADEC data review

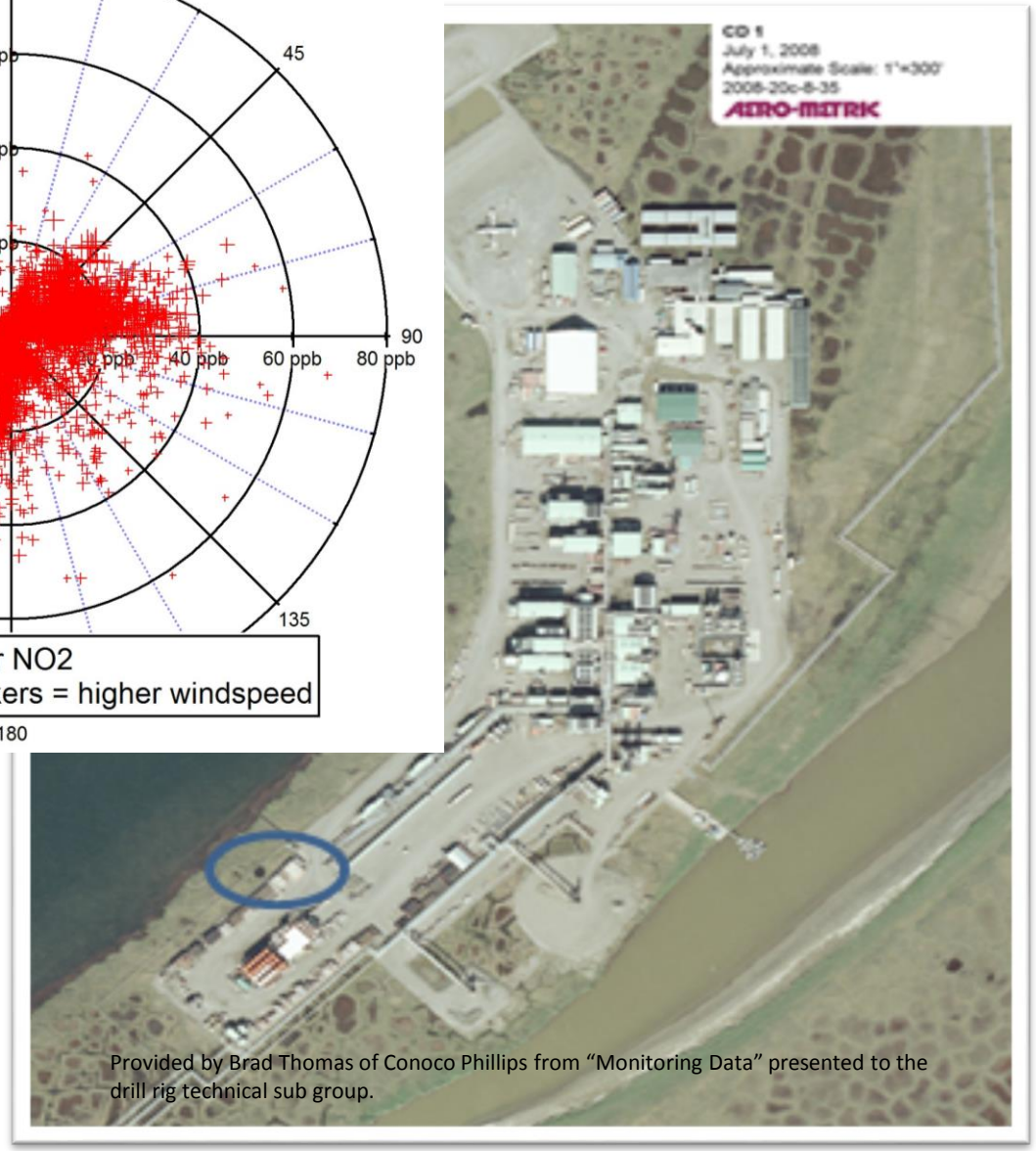
Summary of representative drill rig active data:

Drill Rig Episode Description	Rig	Rig Hours-data	Power	1-hr NO2 >0.08 ppm to 0.1 ppm	1-hr NO2 >0.1 ppm	Max Fuel (gal/day)	Max NO2 (ppb)	WS(mph)
CD1- Doyon19- Sidetrack 10/1/12-10/31/13 Sidetrack 1 11/1/12-1/25/13 Original 47,49 5/3/13-7/14/13 Original 49 (wells 1, 47,49)	1	1789	Ongrid	0	0	2436	68	1.8
CD3- Doyon 19, 141 Original 2/21/2011-4/16/2011 (wells 125,127,198)	2	1293	Ongrid	1	0	2856	87	3.34
DS1F- sidetrack, 1F-16 (11/4-11/14/01)	1	240	Ongrid	0	0	2850	33	1.3
Apad- 2006- Doyon14- workover 10/30/2006 -11/10/2006 Well 43	1	287	Off grid	0	0	2540	72	7.7
Apad 2006- Nabors 4ES 7/31/2006 through 8/27/2006 Well 2 workover	1	671	Off grid	8	3	2540	156	5.8
Apad-2007 Nabors 2ES sidetrack 1/1/2007 through 2/9/2007 Well 05i	1	957	Off grid	2	1	3444	111	6.2
Liberty SDI- Doyon 16 2/5-2/16/2007	1	263	Off grid	3	0	3375	84	11.8

CD1 –drill rig active

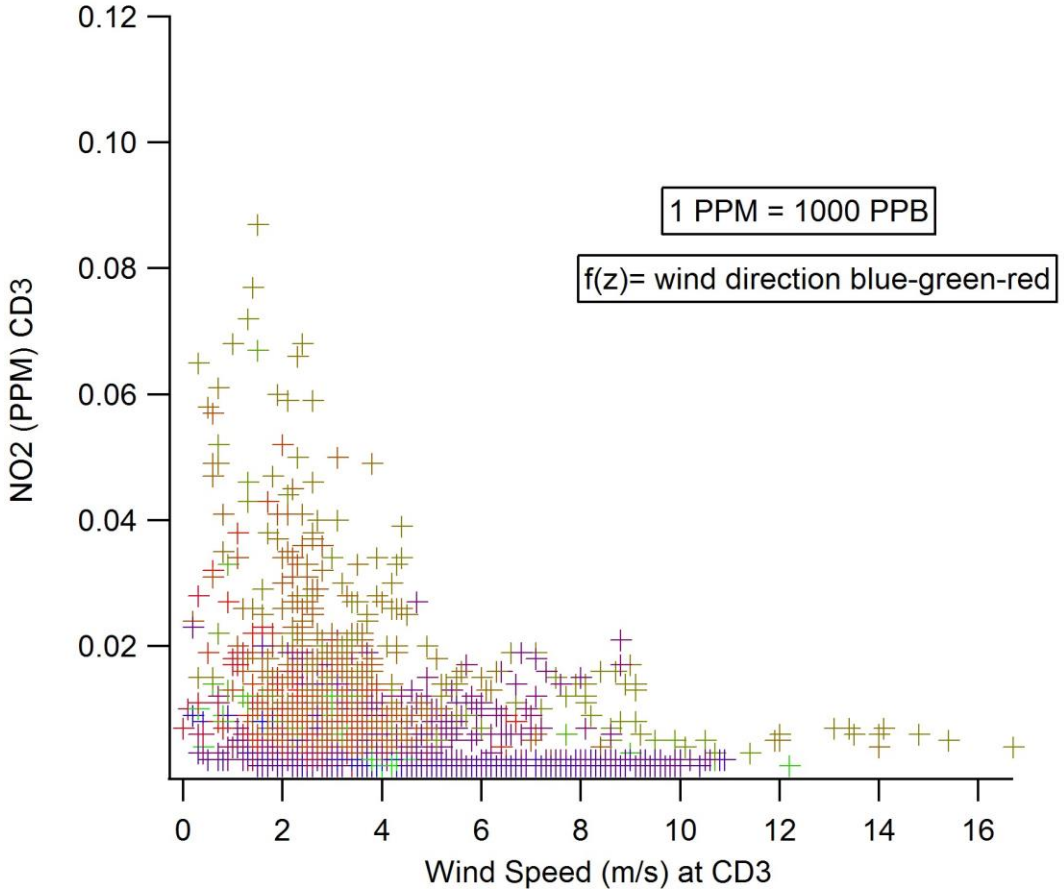


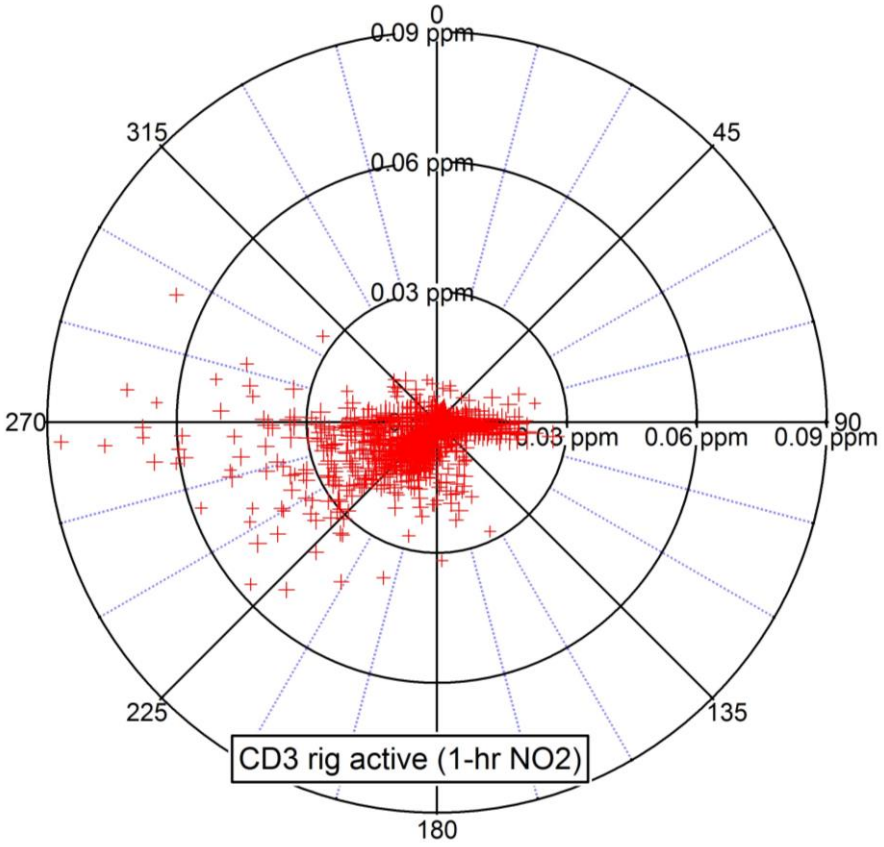


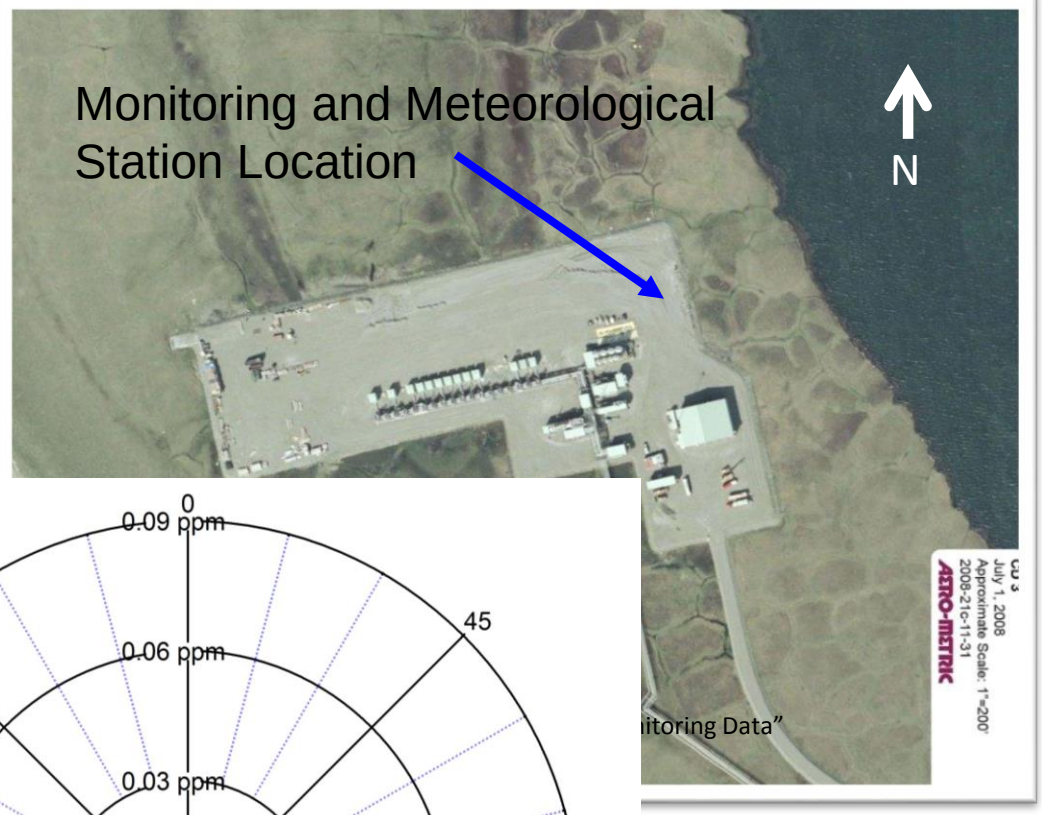


Provided by Brad Thomas of Conoco Phillips from "Monitoring Data" presented to the drill rig technical sub group.

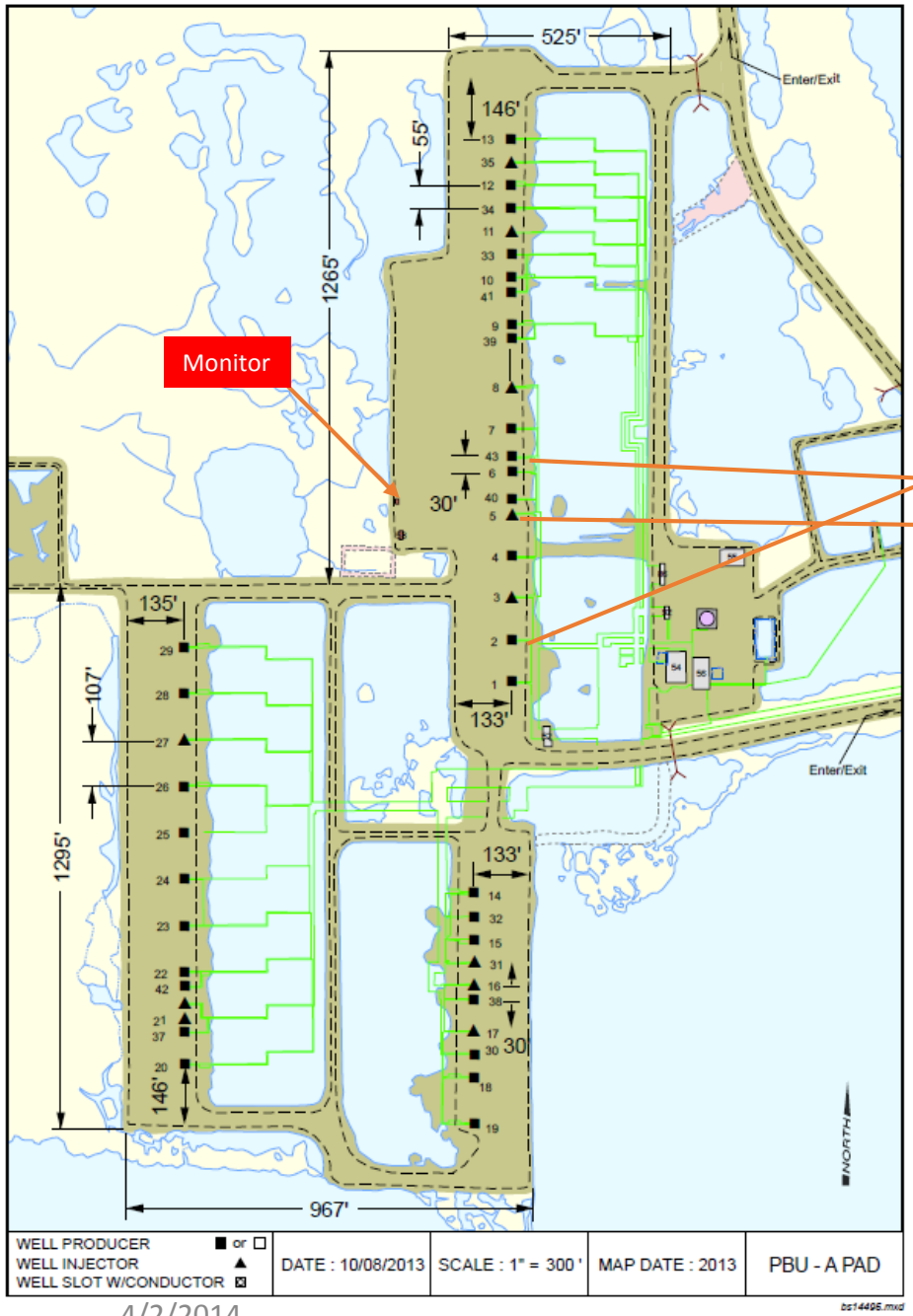
CD3 rig active







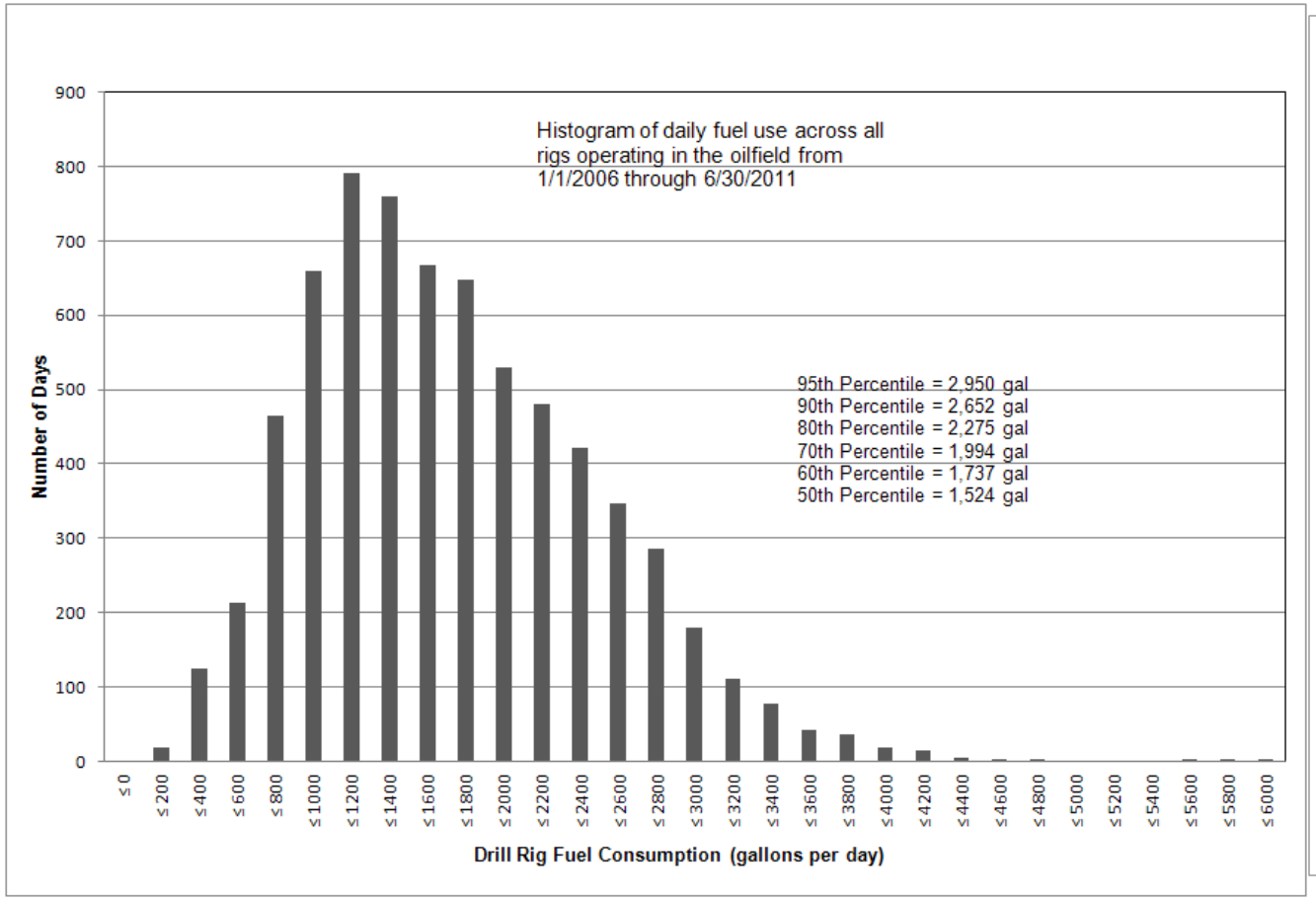
PBU – A PAD – well locations[1]

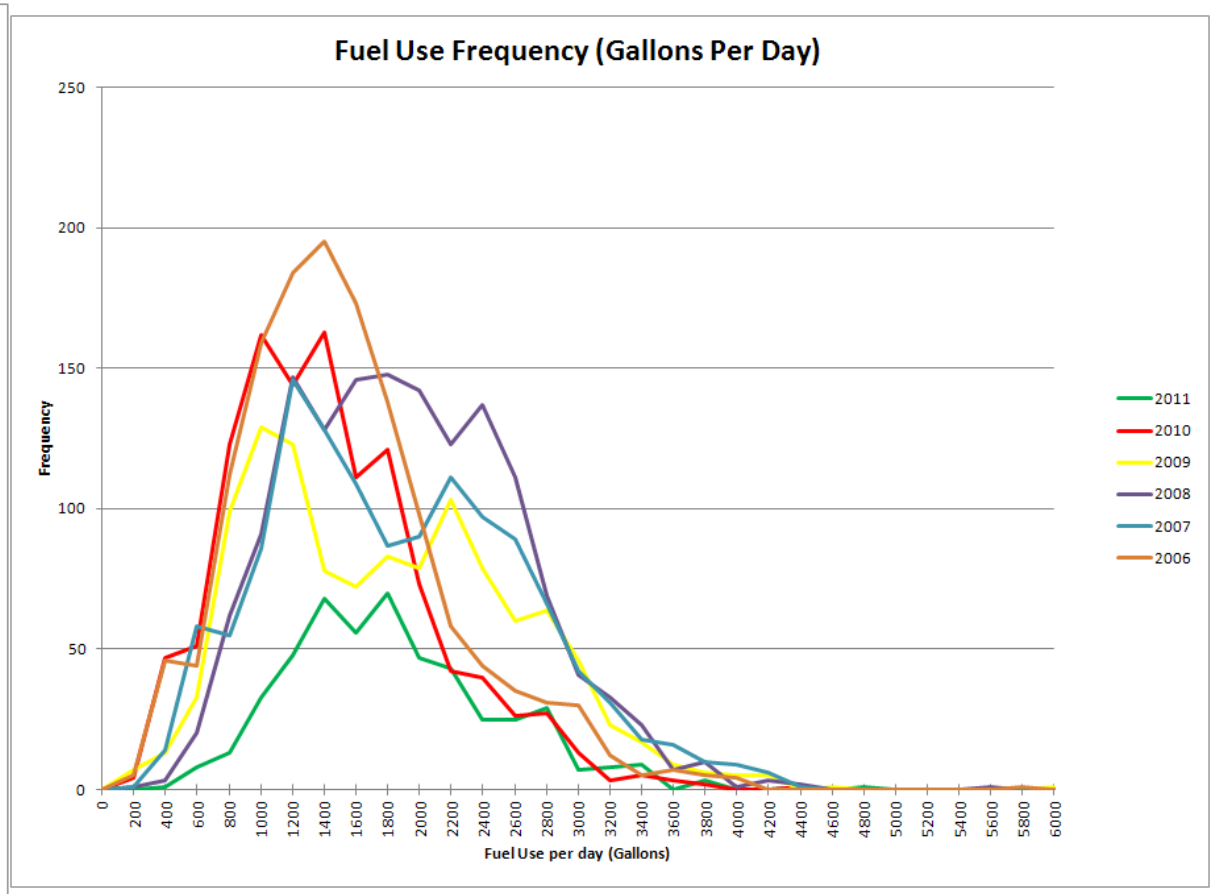


Description of A-Pad Drilling Activity			
Period	Drill Rig	Well Name/Location	Activity Description (workover, sidetrack, etc.)
7/31/2006 through 8/27/2006	NABORS 4ES	A-02	Workover
10/30/2006 through 11/10/2006	DOYON 14	A-43	Workover
1/1/2007 through 2/9/2007	NABORS 2ES	A-05Ai	Sidetrack
3/15/2007 through 3/25/2007	NORDIC 1	A-42A	Coil Tubing
11/29/2007 through 12/21/2007	DOYON 16	A-12	Workover
1/4/2008 through 1/21/2008	NORDIC 1	A-12A	Coil Tubing
5/23/2008 through 6/13/2008	NABORS 4ES	A-34A	Workover
4/10/2009 through 4/29/2009	NABORS 7ES	A-44	Sidetrack
5/15/2009 through 6/9/2009	DOYON 16	A-31	Workover
1/11/2011 through 2/6/2011	NORDIC 2	A-39A	Coil Tubing
7/15/2011 through 8/11/2011	DOYON 25	A-25B	Sidetrack
5/30/2012 through 6/30/2012	NORDIC 2 CAMP	NA	CAMP Only
10/22/2013 through 11/4/2013	DOYON 14	A-32A	Workover
11/5/2013 through 11/27/2013	NORDIC 1	A-24A	Coil Tubing
12/22/2013 through 12/31/2013	PARKER 272	A-45	D&C

[1] *Provided by BPXA through email from Tom Damiana at AECOM*

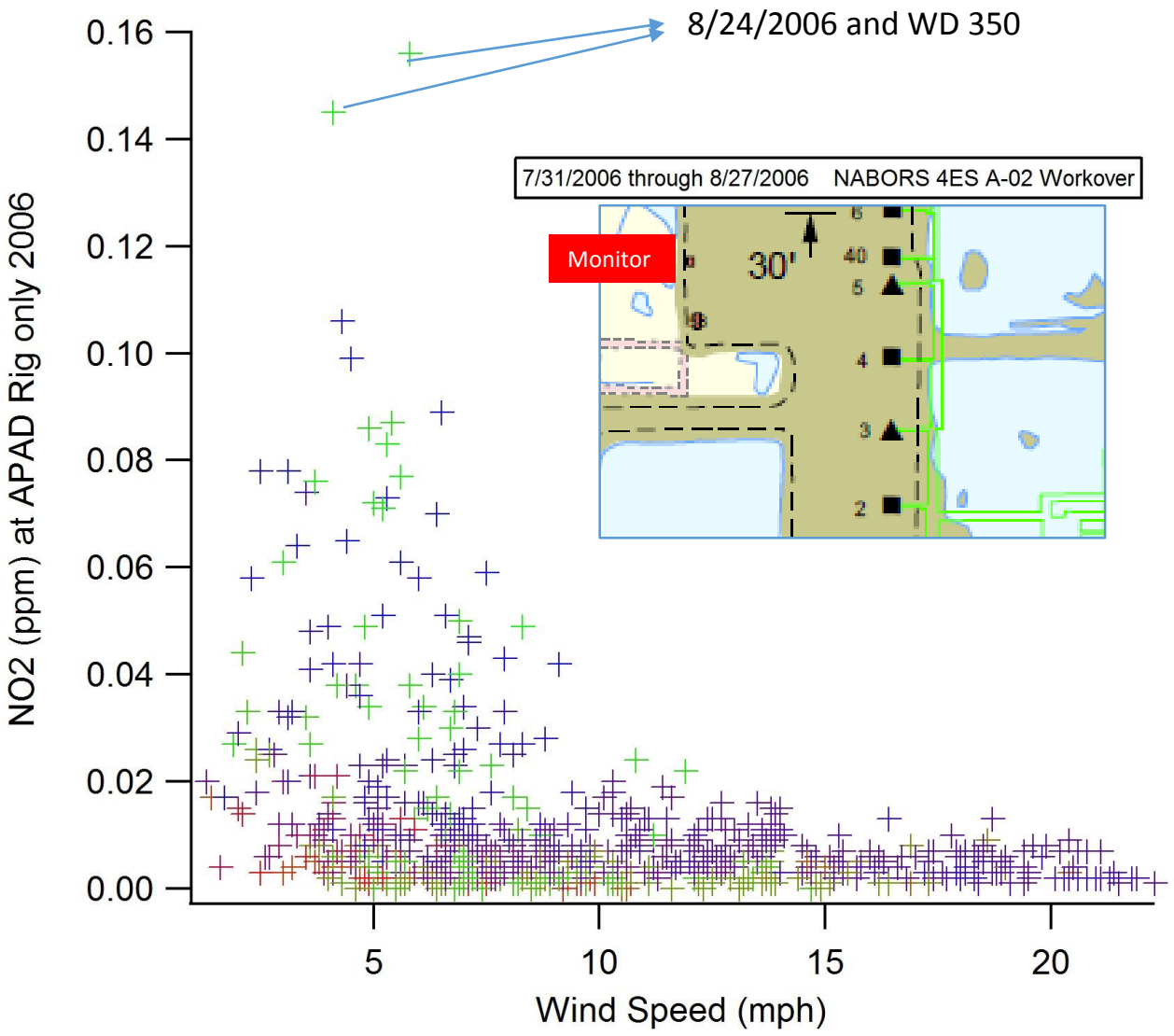
BPXA PBU WOA
Prudhoe Infill drilling fuel use in gal/day

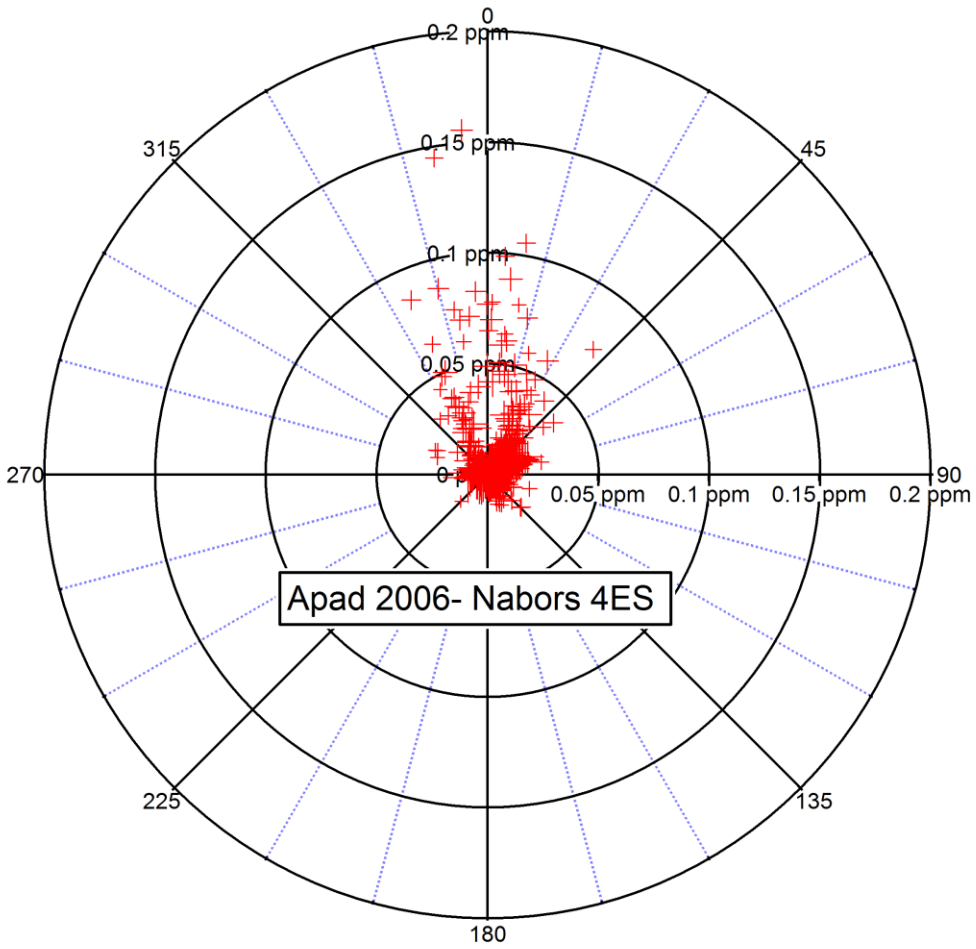




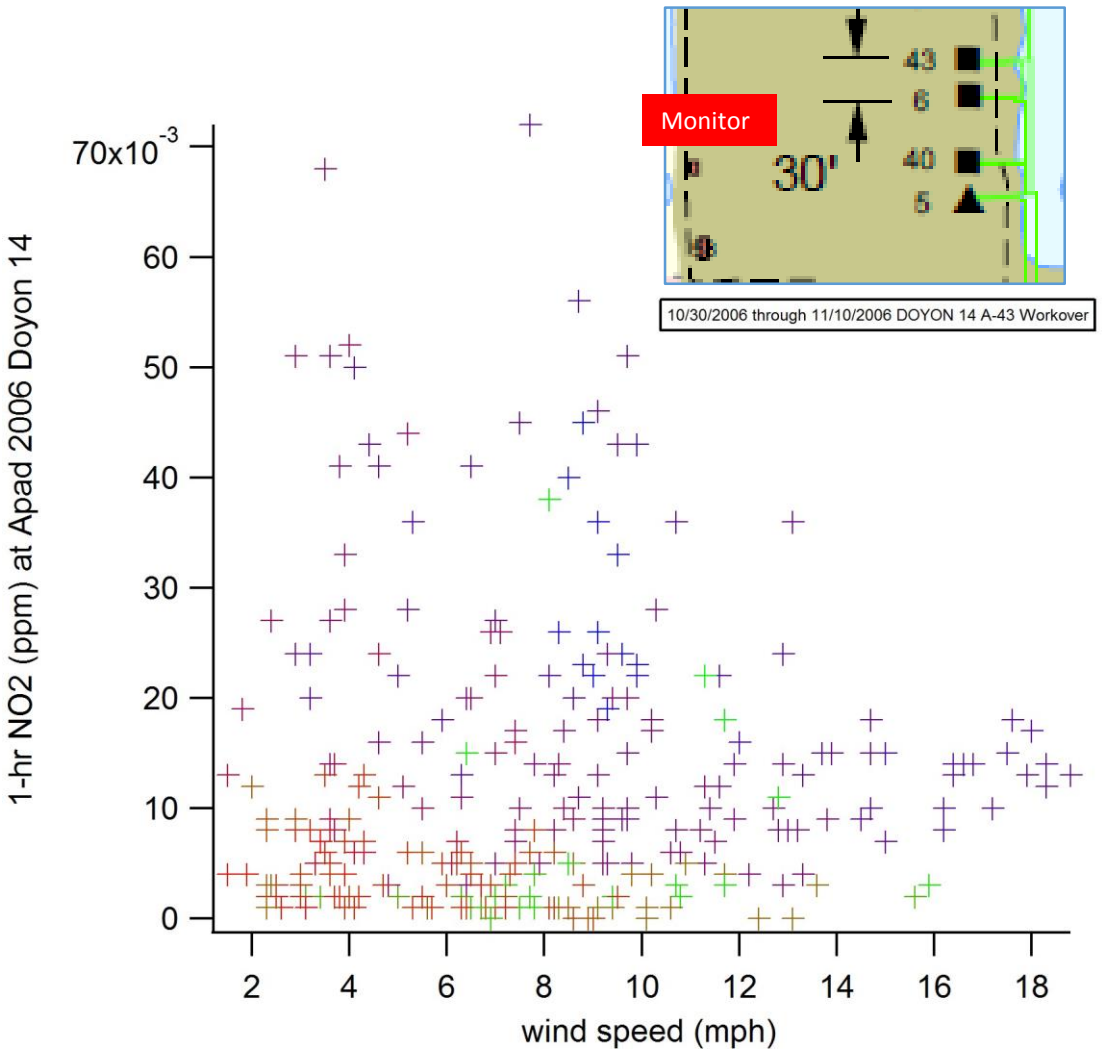
Plots By email from Tom Damiana at AECOM.

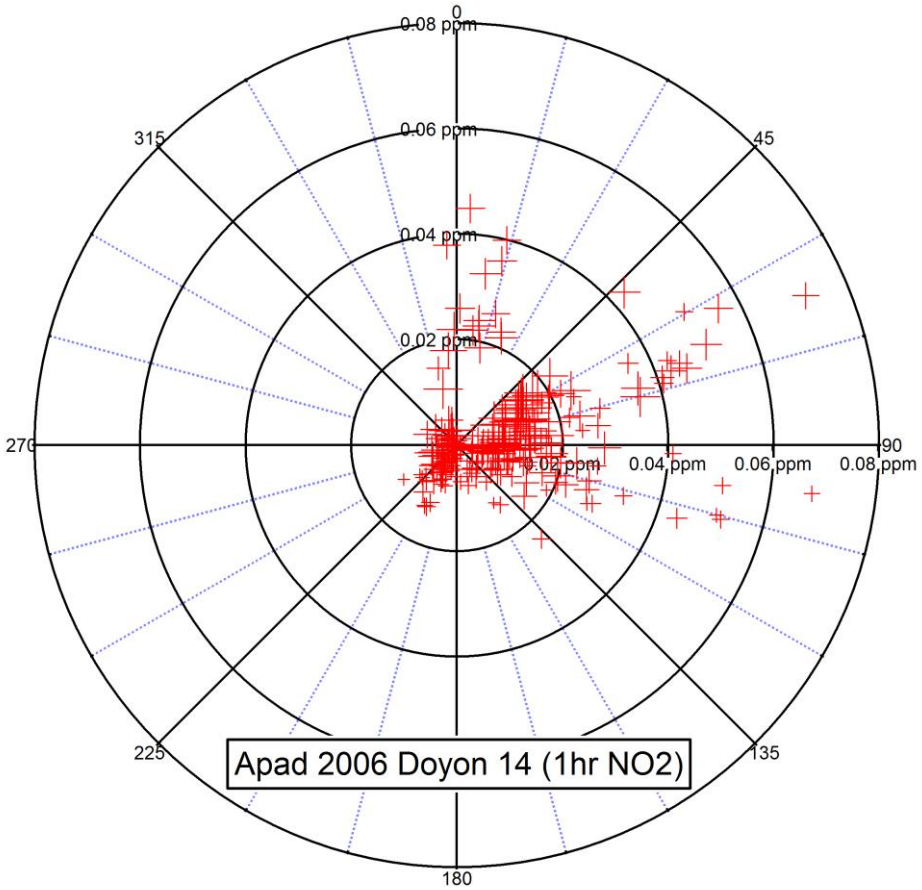
APAD 2006 - NABORS 4ES



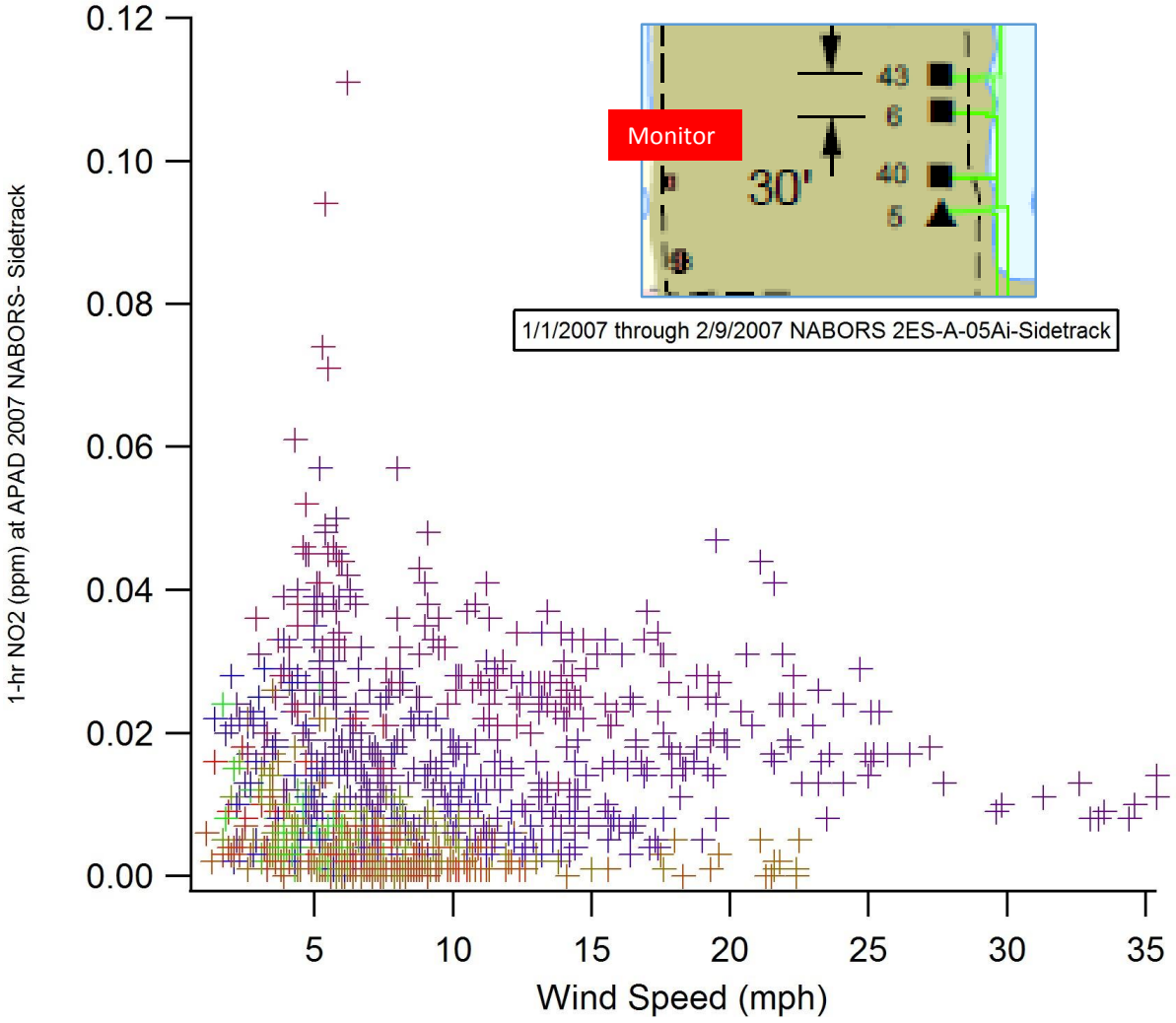


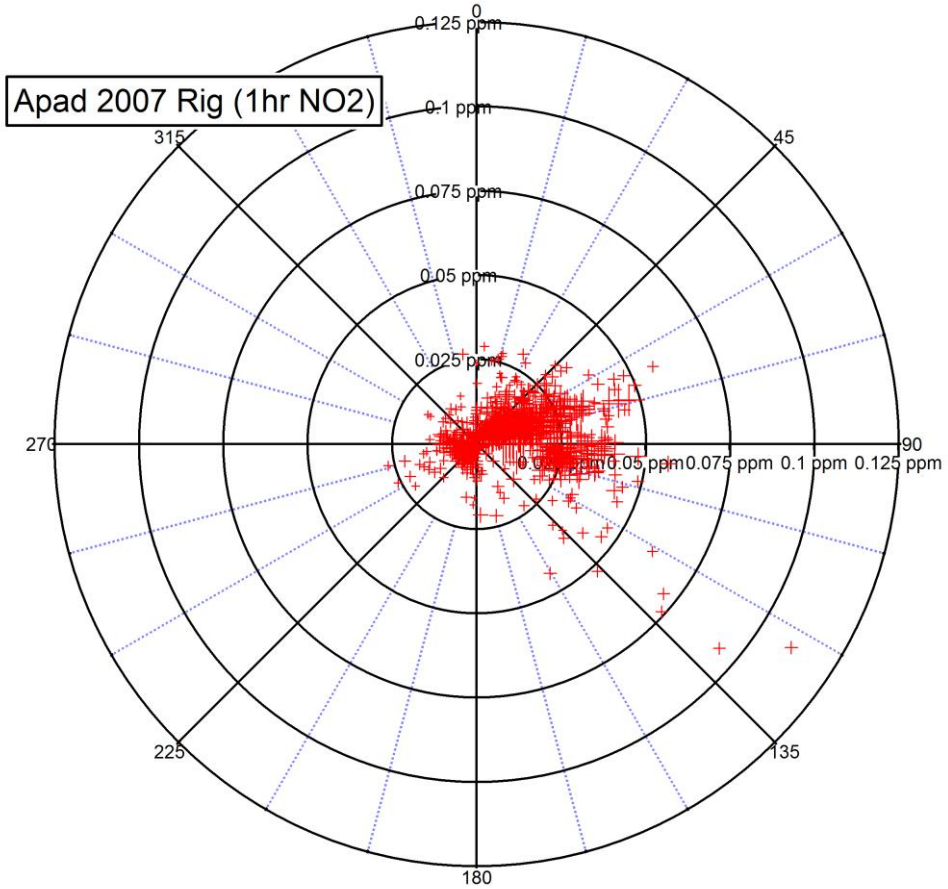
Apad 2006- Doyon 14



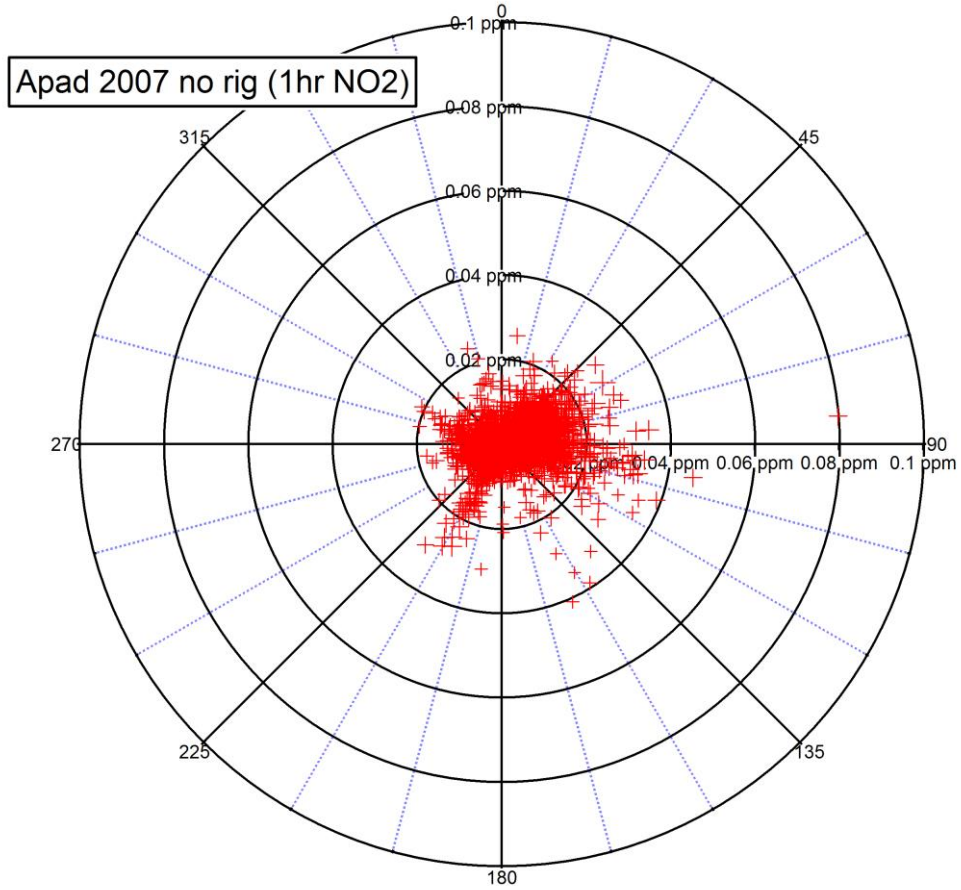


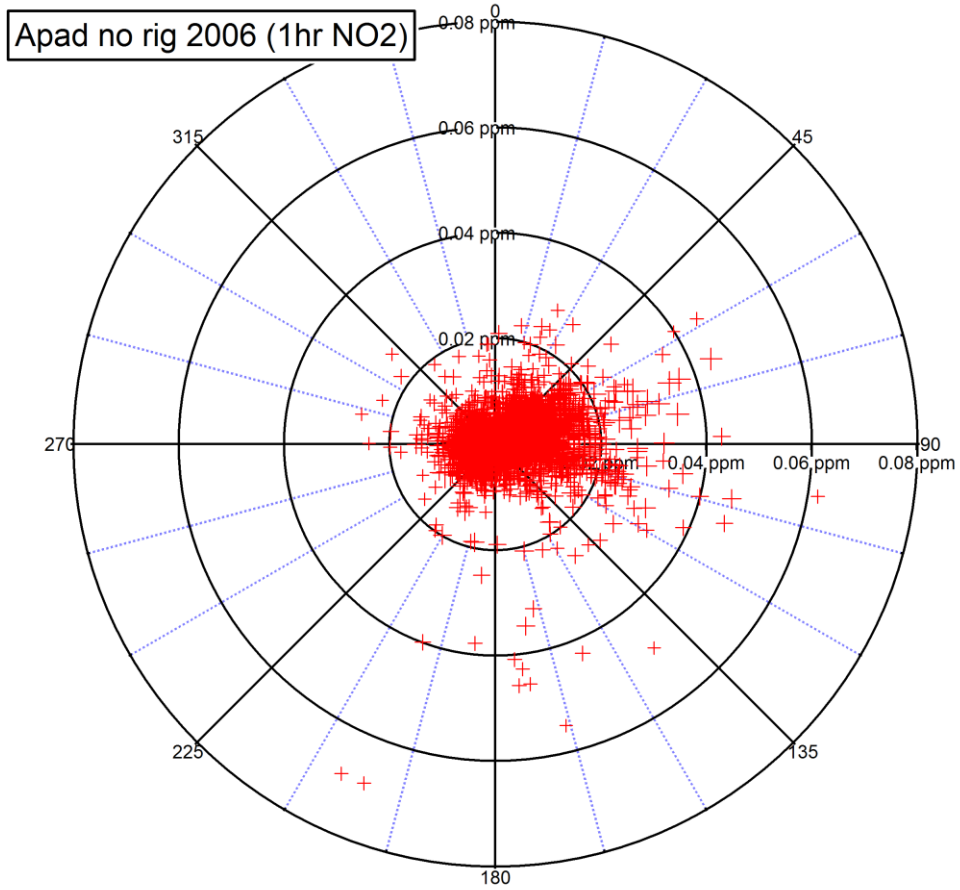
A-PAD 2007- Nabors 2ES



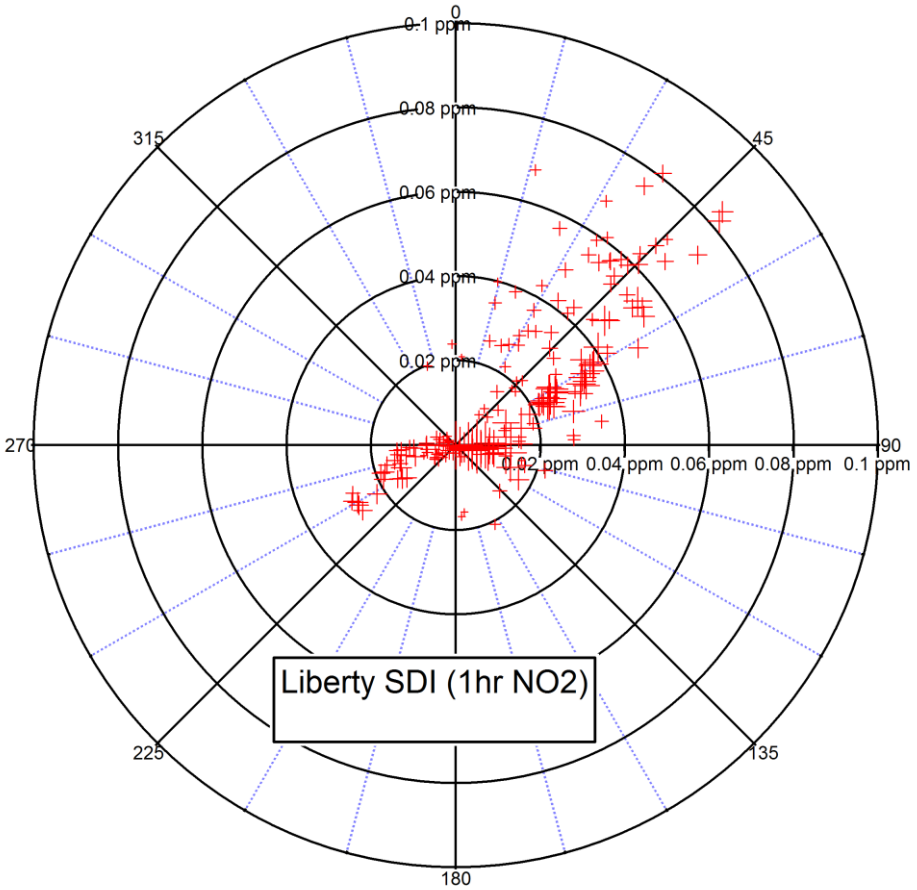


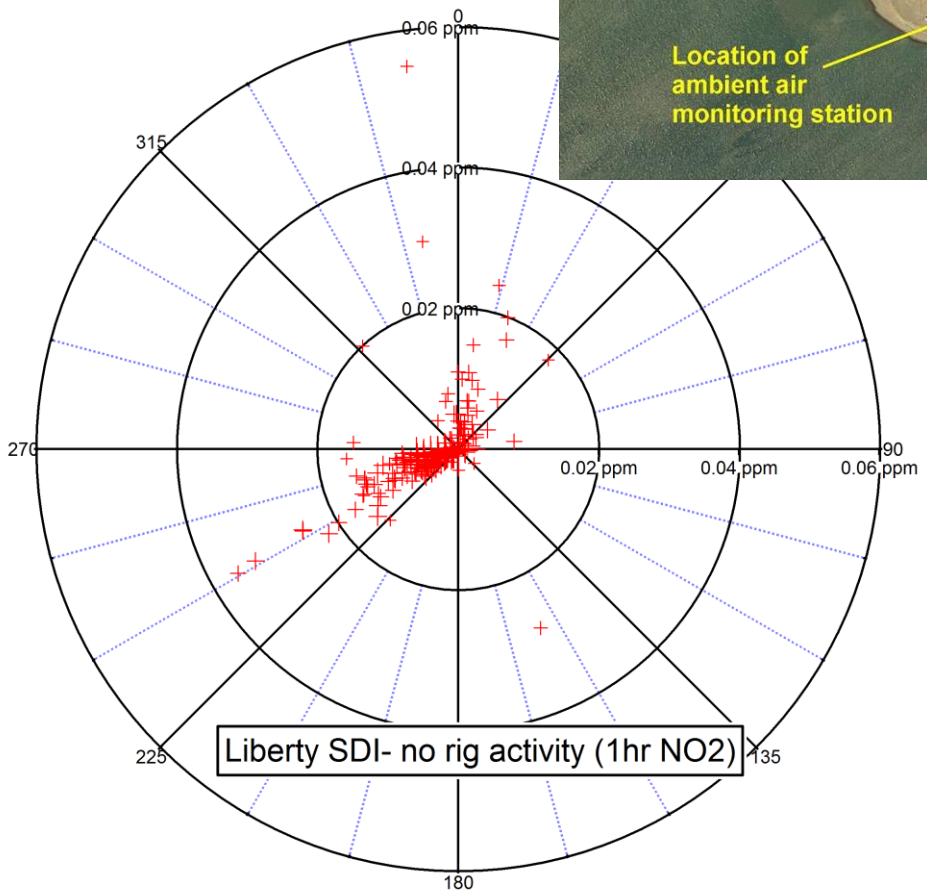
A-PAD 2006 and 2007 No Rig

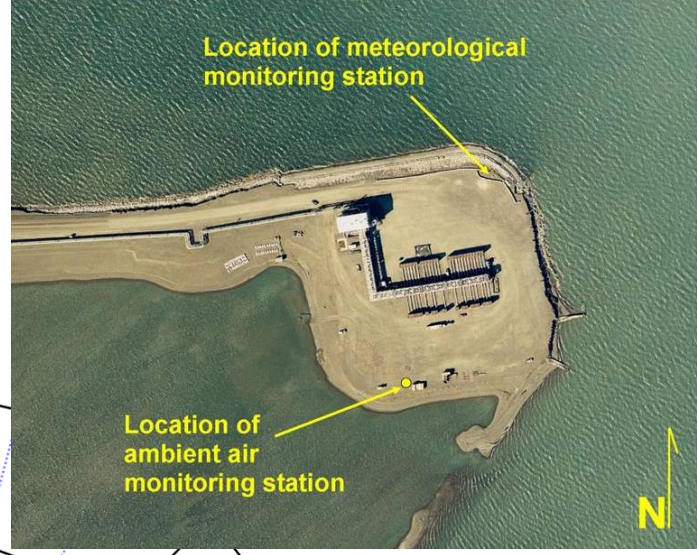




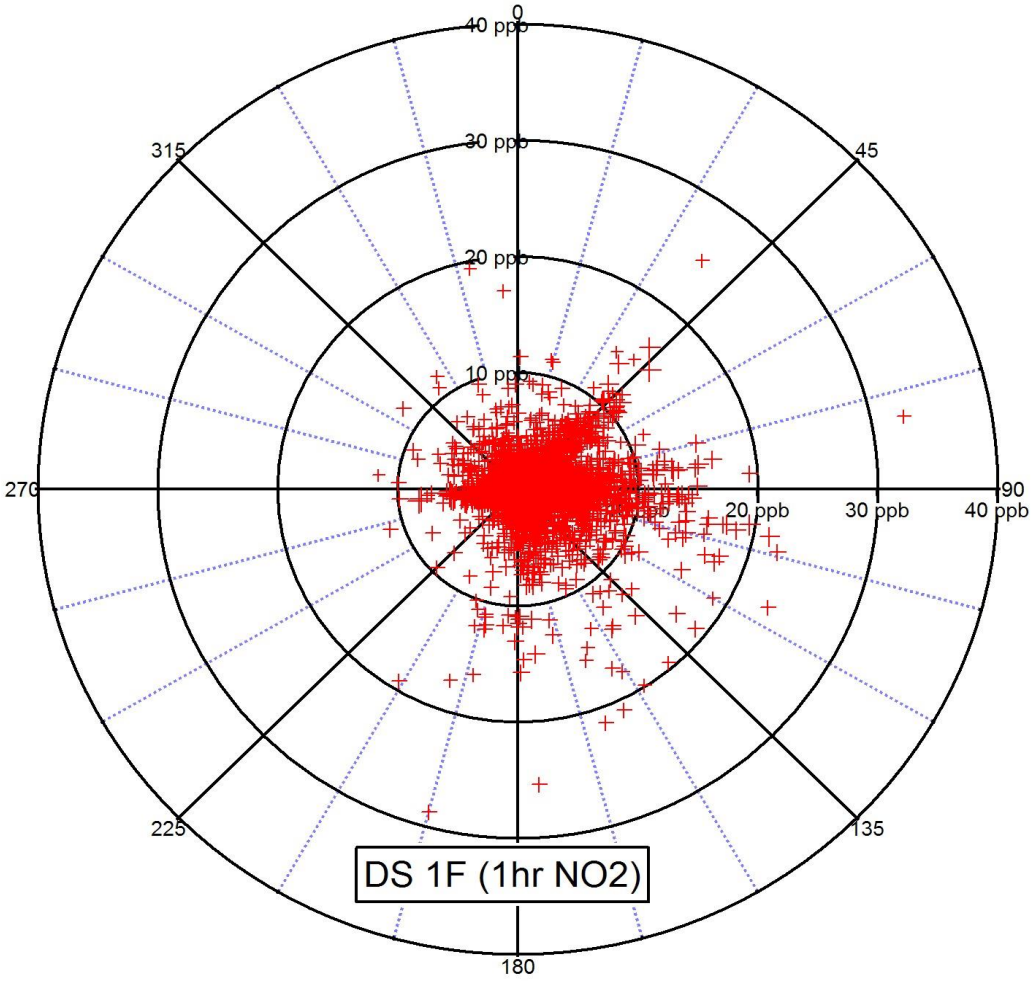
Liberty SDI – rig only data
2/5/2007 2/16/2007 DOYON 16

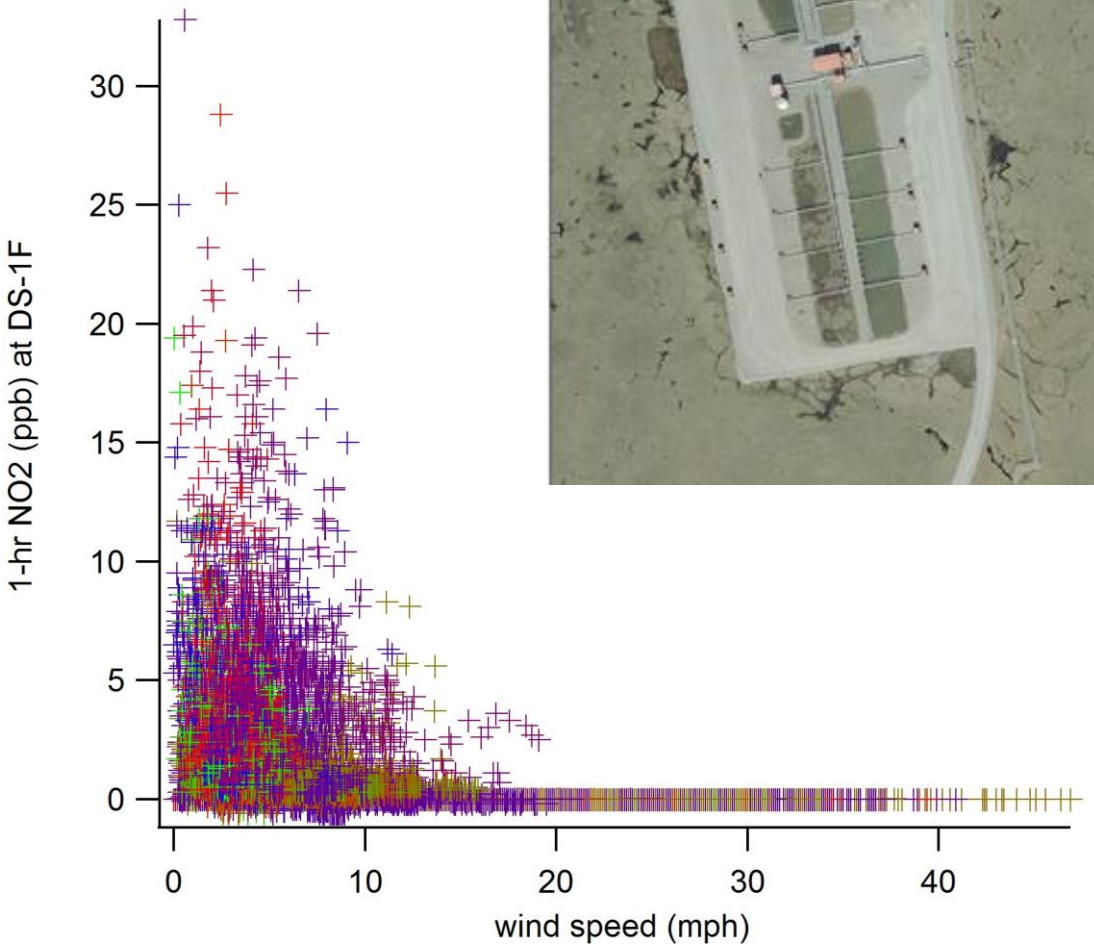


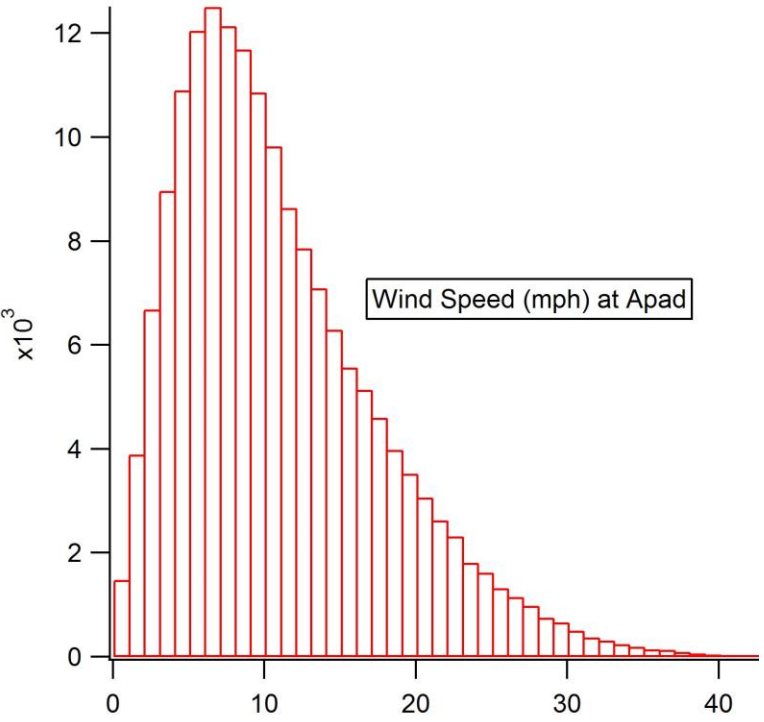
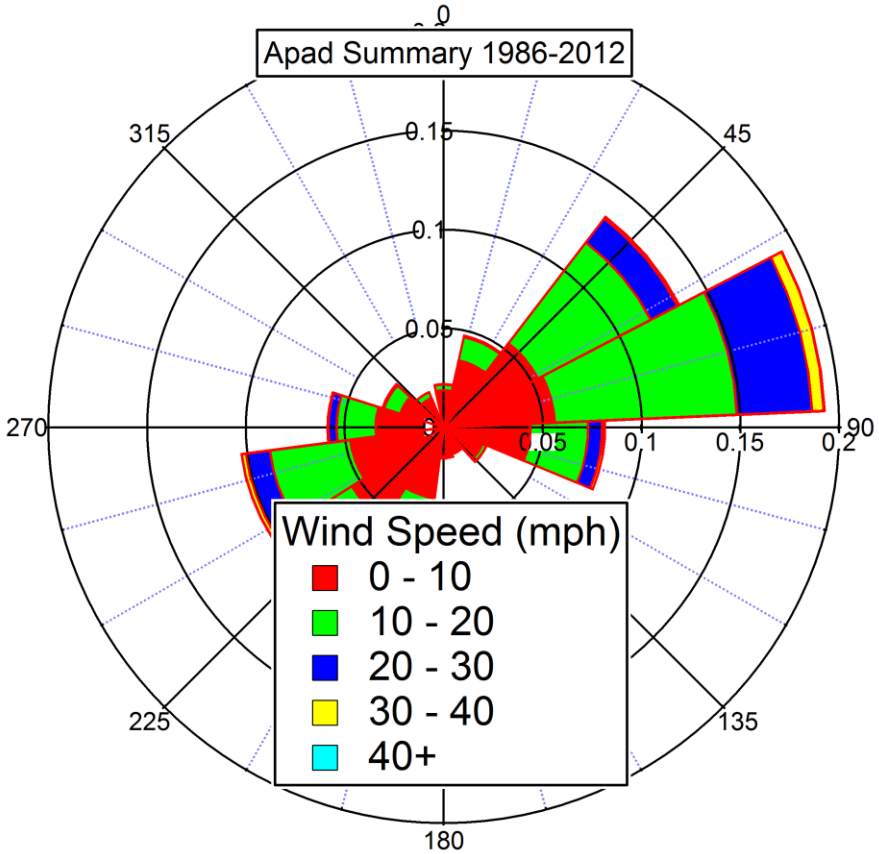
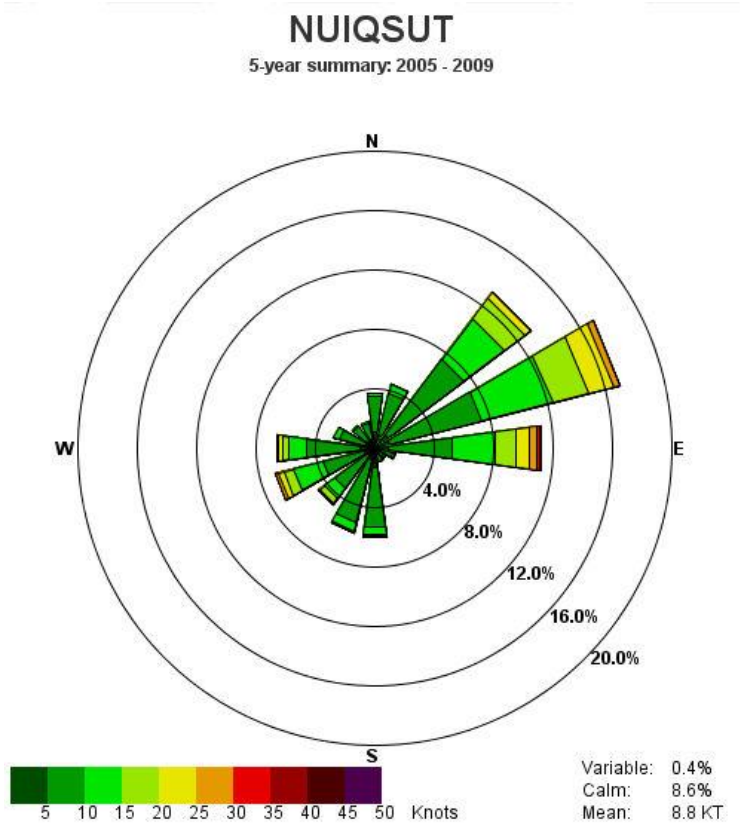




DS- 1F*





*Fuel use data for 11/2001 (no NO2)

Apad and Nuiqsut Meteorology