

Two DRI CCN spectrometers

Old- lower S range 0.02-0.3%+

New-higher S range -0.08-2%

New also made volatility and size- $S_c$  measurements.

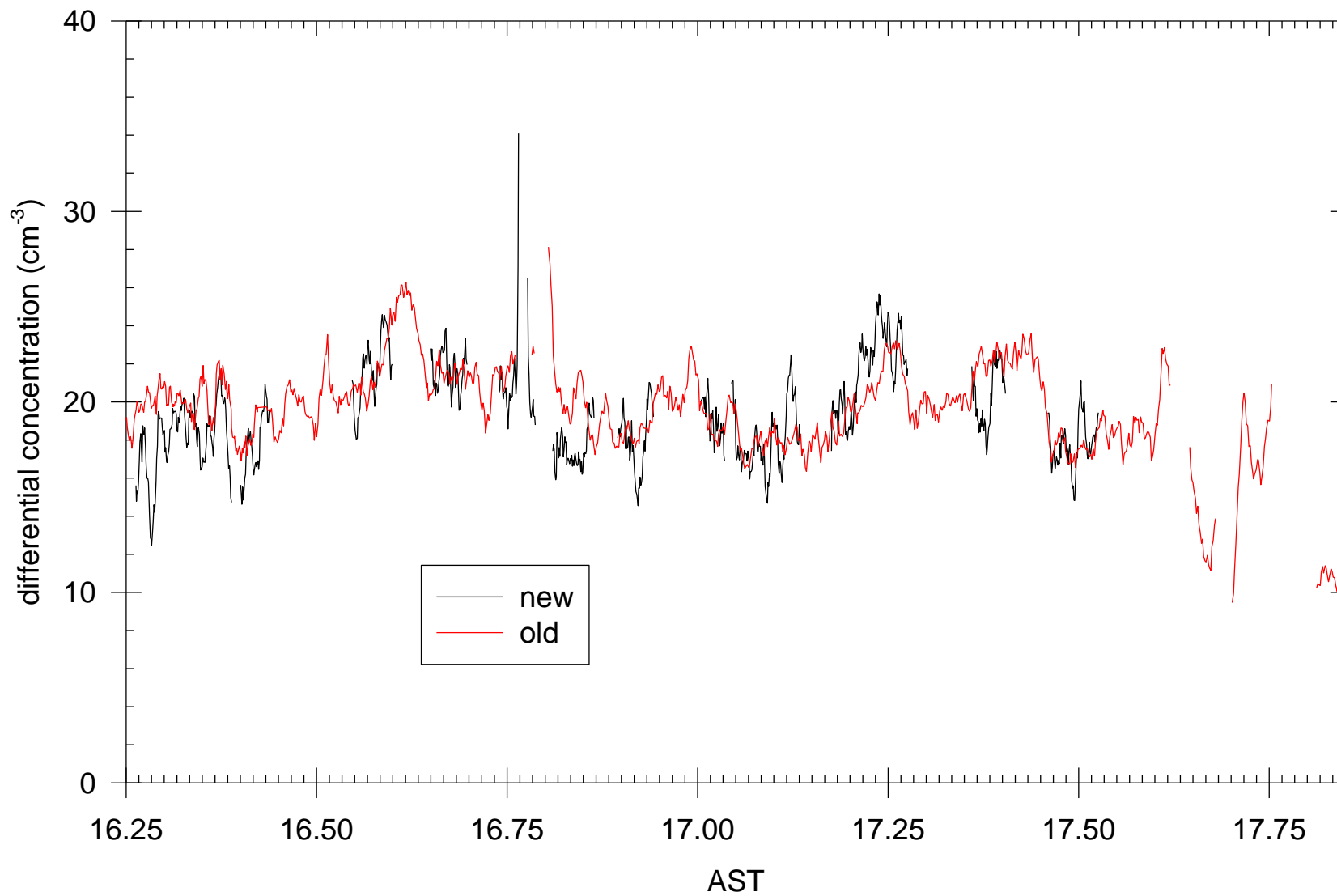
Old made CVI residue measurements.

Measurements invalid in cloud or in drizzle

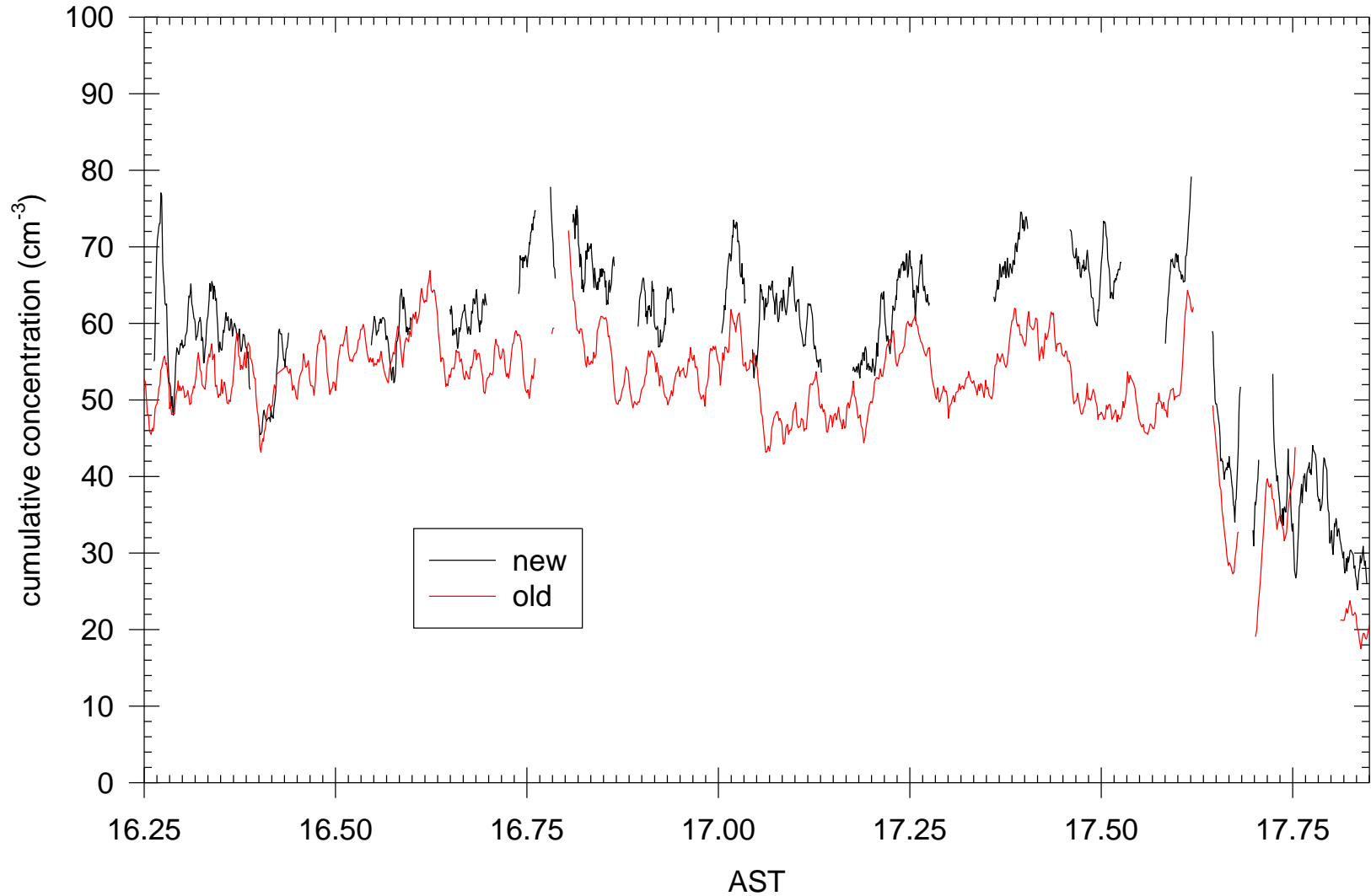
Old was much more reliable

Flight	date	Simultaneous data in low circles	comments	completed
1	D07	XX	Bad position	XX
2	D08	X	Bad position, short flt.	
3	D09		Bad position	
4	D10	XX	Bad position	
5	D13		Bad position, No new	
6	D16	XX		XX
7	D17	XX		
8	D19	XX		XX
9	D20	XX		
10	J05	X	No new 2nd	X
11	J07	XX		XX
12	J11	XX		XX
13	J12	XX		XX
15	J14	XX		XX
15	J16	XXXX		XXXX
16	J18	X	No new 1st	X
17	J19	XXX	Too much drizzle	
18	J23	XX		XX
19	J24	XX		XX

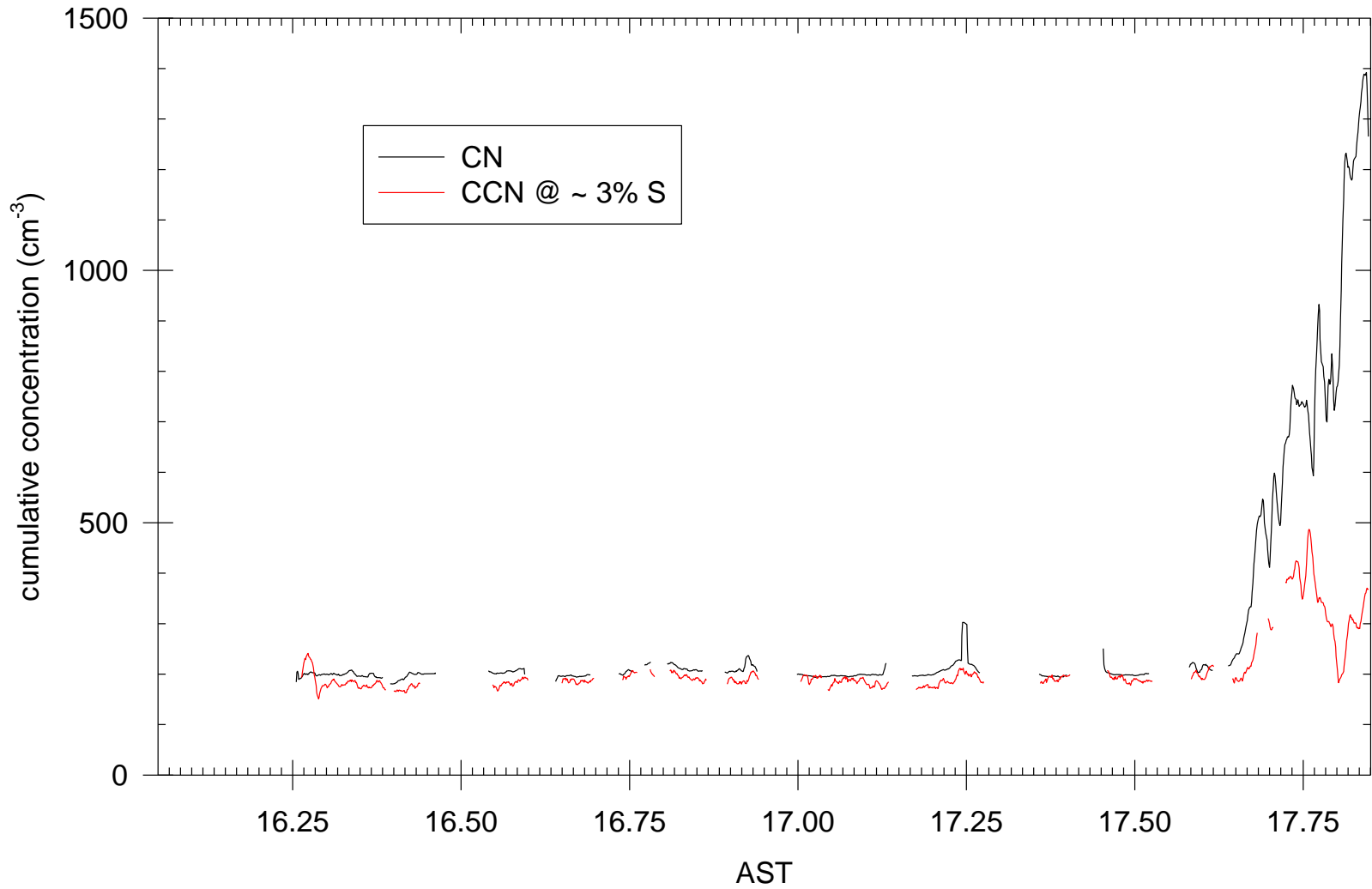
**JAN 12, 2005, C-130 RICO, Antigua**  
**0.1-0.06%**



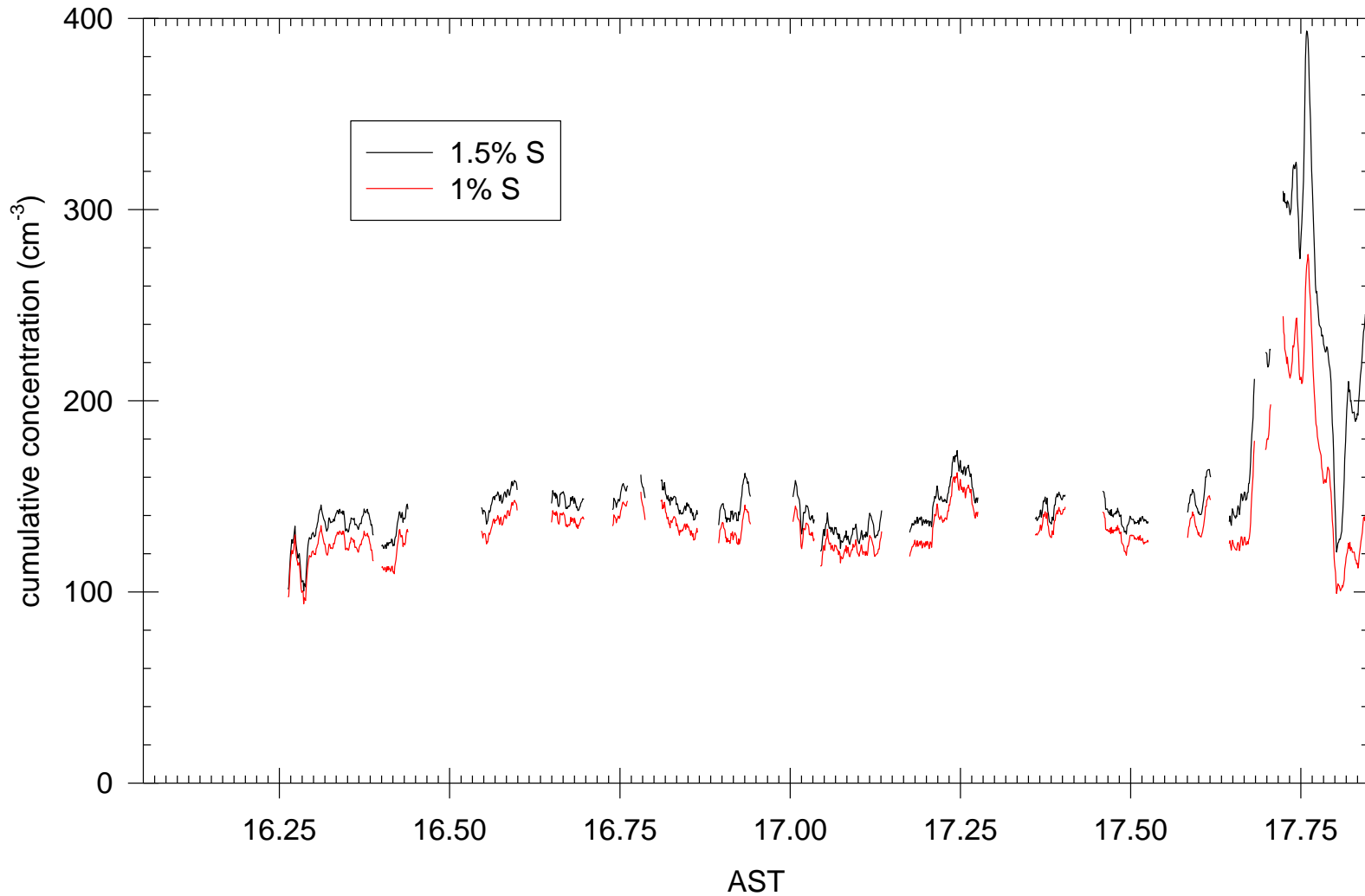
**JAN 12, 2005, C-130 RICO, Antigua**  
**9 record running average initial descent and 1st set of**  
**low altitude circles**



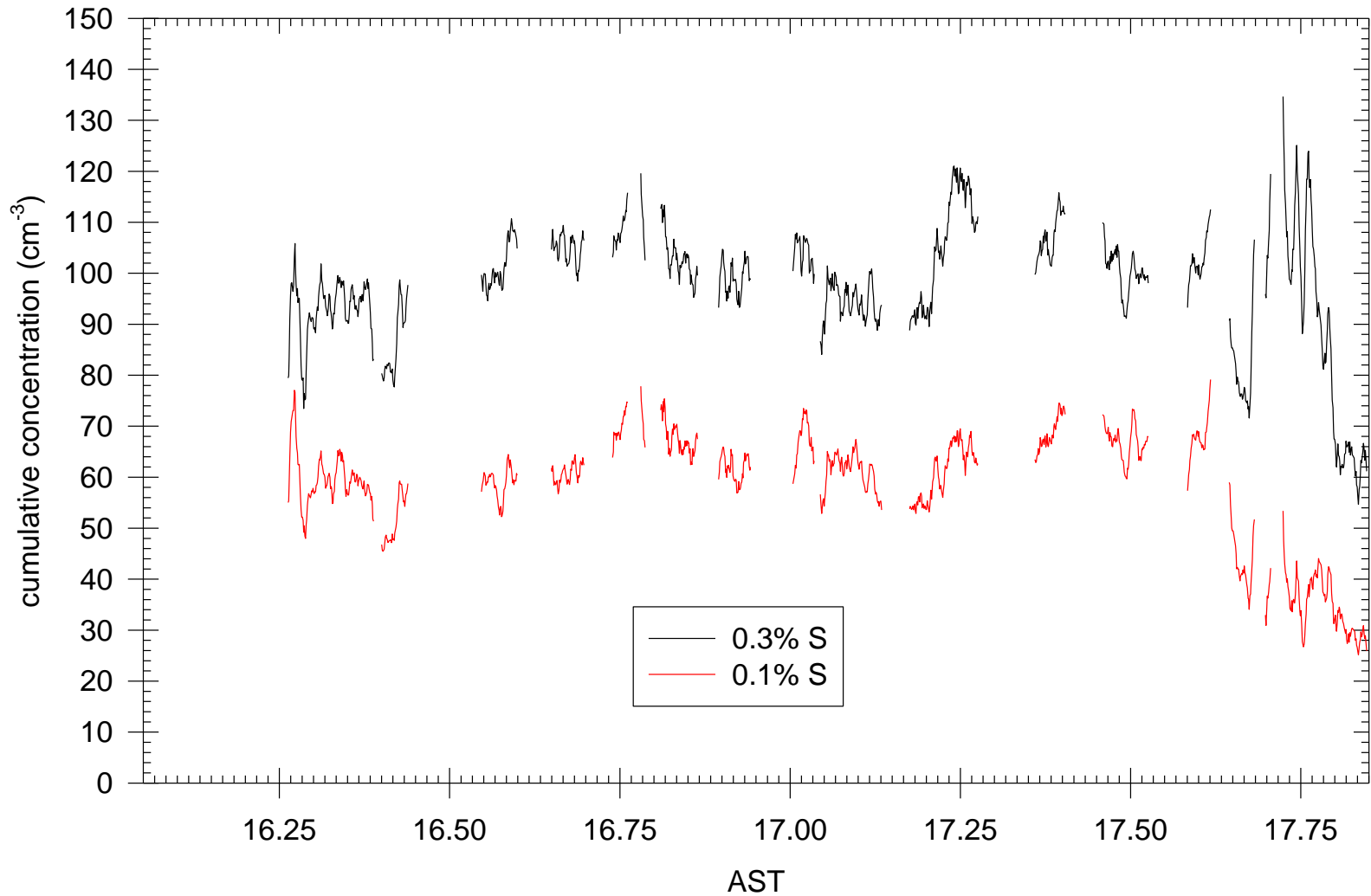
**JAN 12, 2005, new spec C-130 RICO, Antigua  
quadratic B calibration 1205-1612, j12L10.log, j12n10.spw  
9 record running average 2nd set of low altitude circles and  
final ascent**



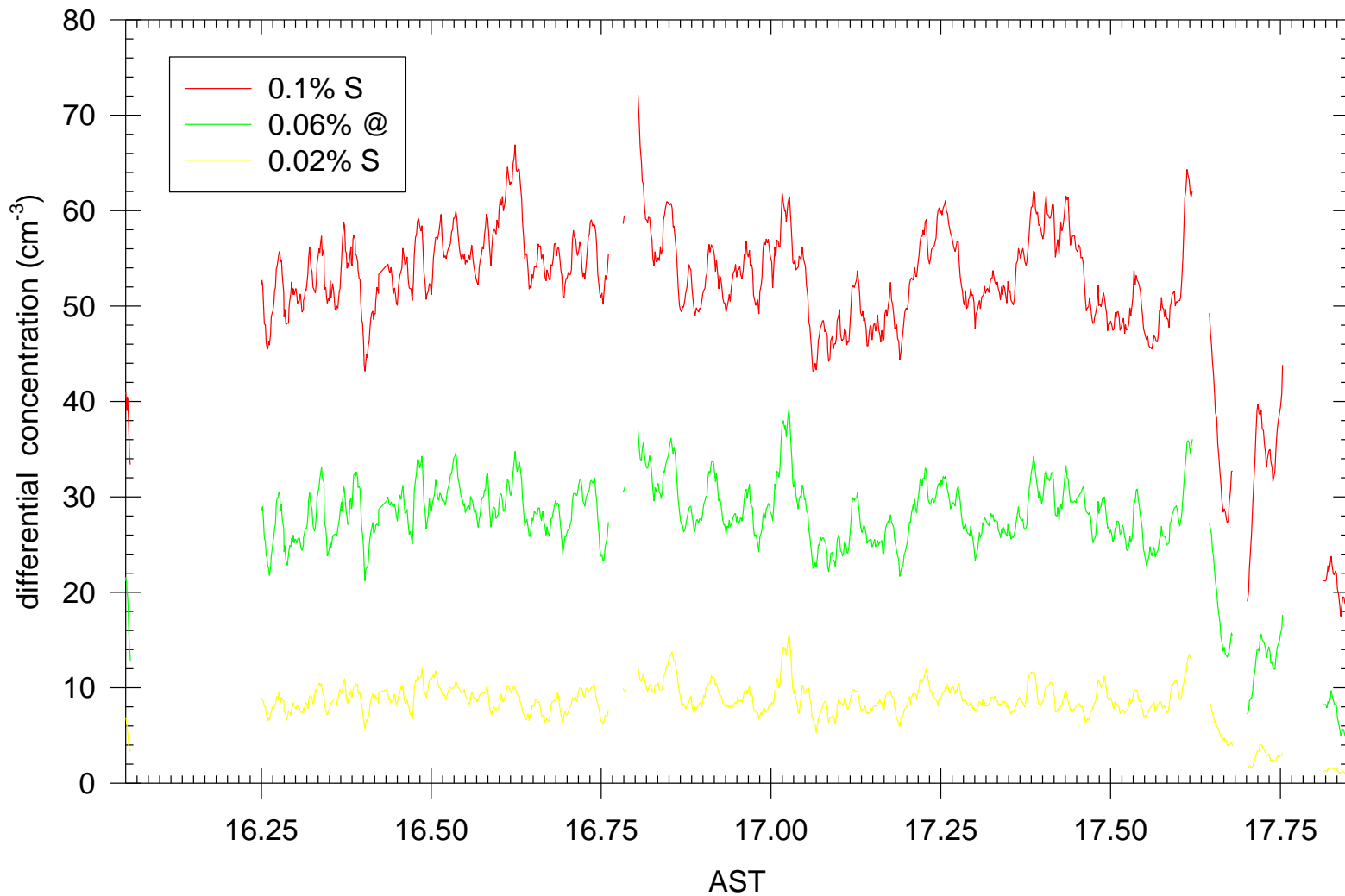
**JAN 12, 2005, new spec C-130 RICO, Antigua**  
**quadratic B calibration 1205-1612, j12L10.log, j12n10.spw**  
**9 record running average 2nd set of low altitude circles and**  
**final ascent**



**JAN 12, 2005, new spec C-130 RICO, Antigua**  
**quadratic B calibration 1205-1612, j12L10.log, j12n10.spw**  
**9 record running average 2nd set of low altitude circles and**  
**final ascent**



**JAN 12, 2005, old spec C-130 RICO, Antigua**  
**linear E calibration 1222-1612, j12q10.log, j12o10.spw**  
**9 record running average 2nd set of lower altitude circles**  
**and final ascent**





date	CN	1%	0.3%	0.04%
7A	1000	206	22	8
7B	1216	220	31	8
16A	385	234	124	13
16B	277	184	61	6
17A	163	45	12	5
17B	125	67	13	4
19A	202	93	17	12
19B	172	69	18	7
5A	297	121	94	14
7B	272	100	25	8
7C	213	90	10	5
11A	311	136	73	24
11B	194	86	17	4
12A	154	107	8	5
12B	193	131	15	9
14A	221	115	16	7
14B	221	173	14	3
16A	165	83	15	6
16B	173	91	17	11
16C	181	101	12	5
16D	194	129	15	7
23A	281	129	14	9
23B	270	116	17	9
24A	323	121	30	11
24B	339	153	9	4