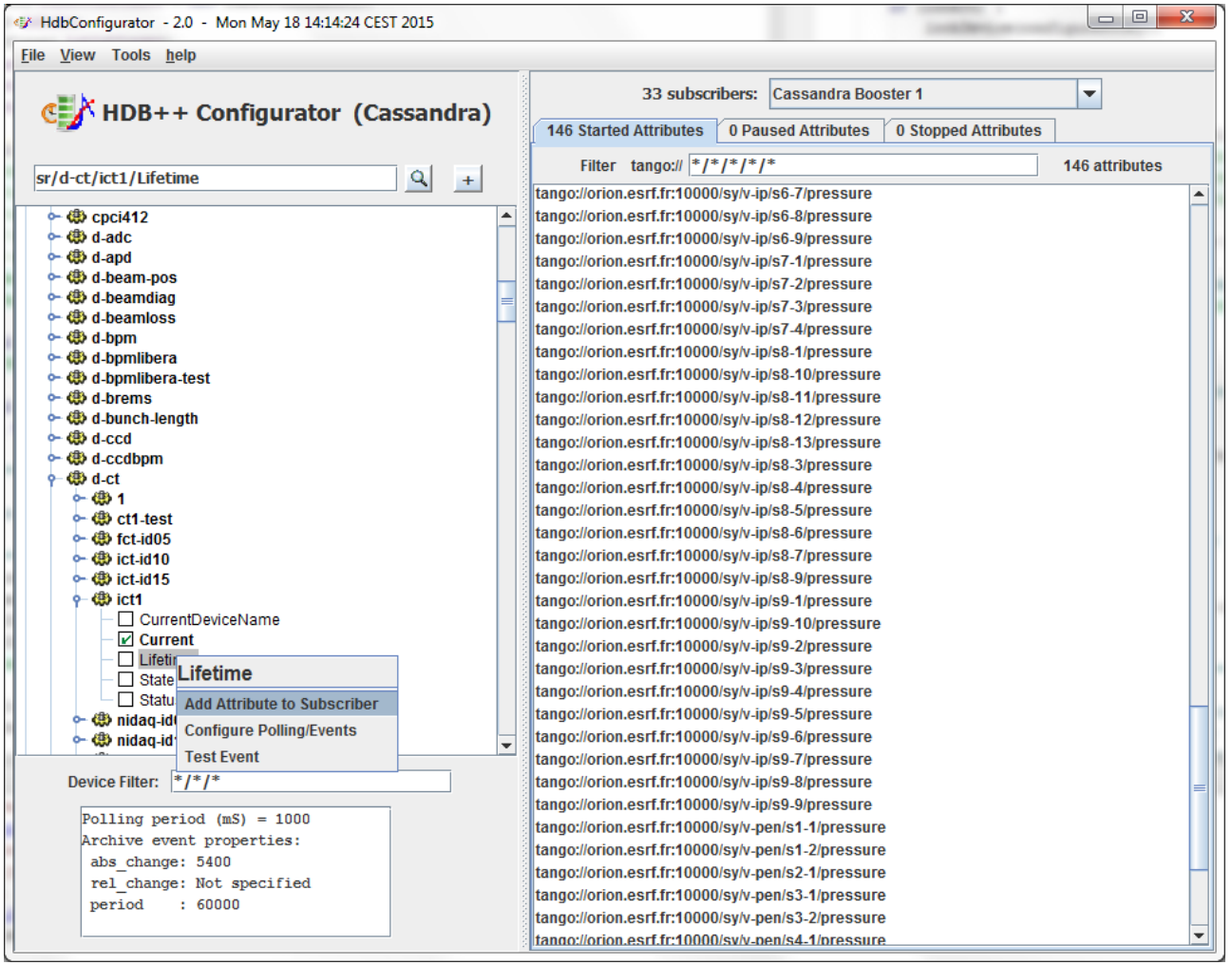
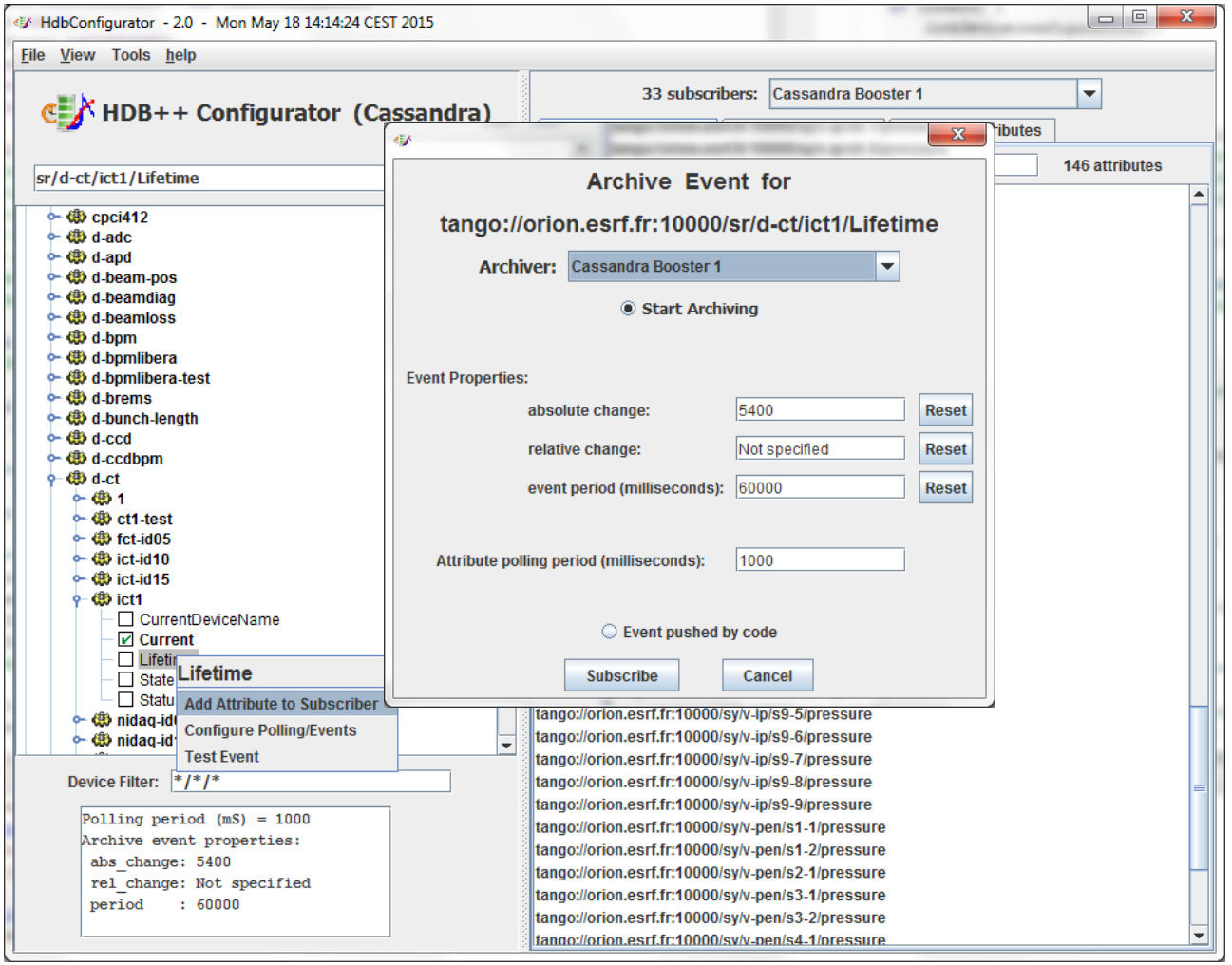
HDB++ TOOLS

- **Configuration tools**
- **Diagnostics**
- **Extraction (prototype)**

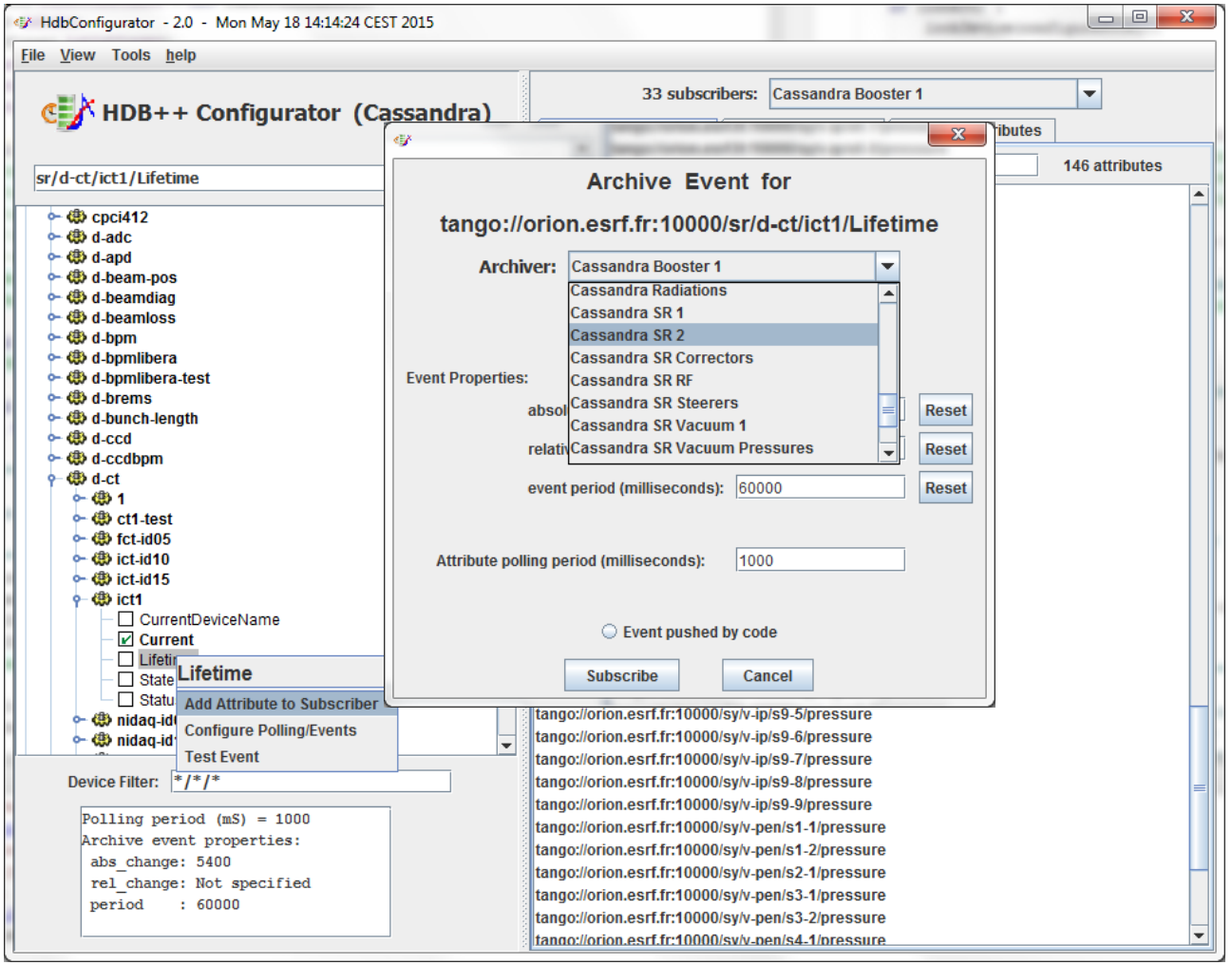
HDB++ TOOLS - Configuration



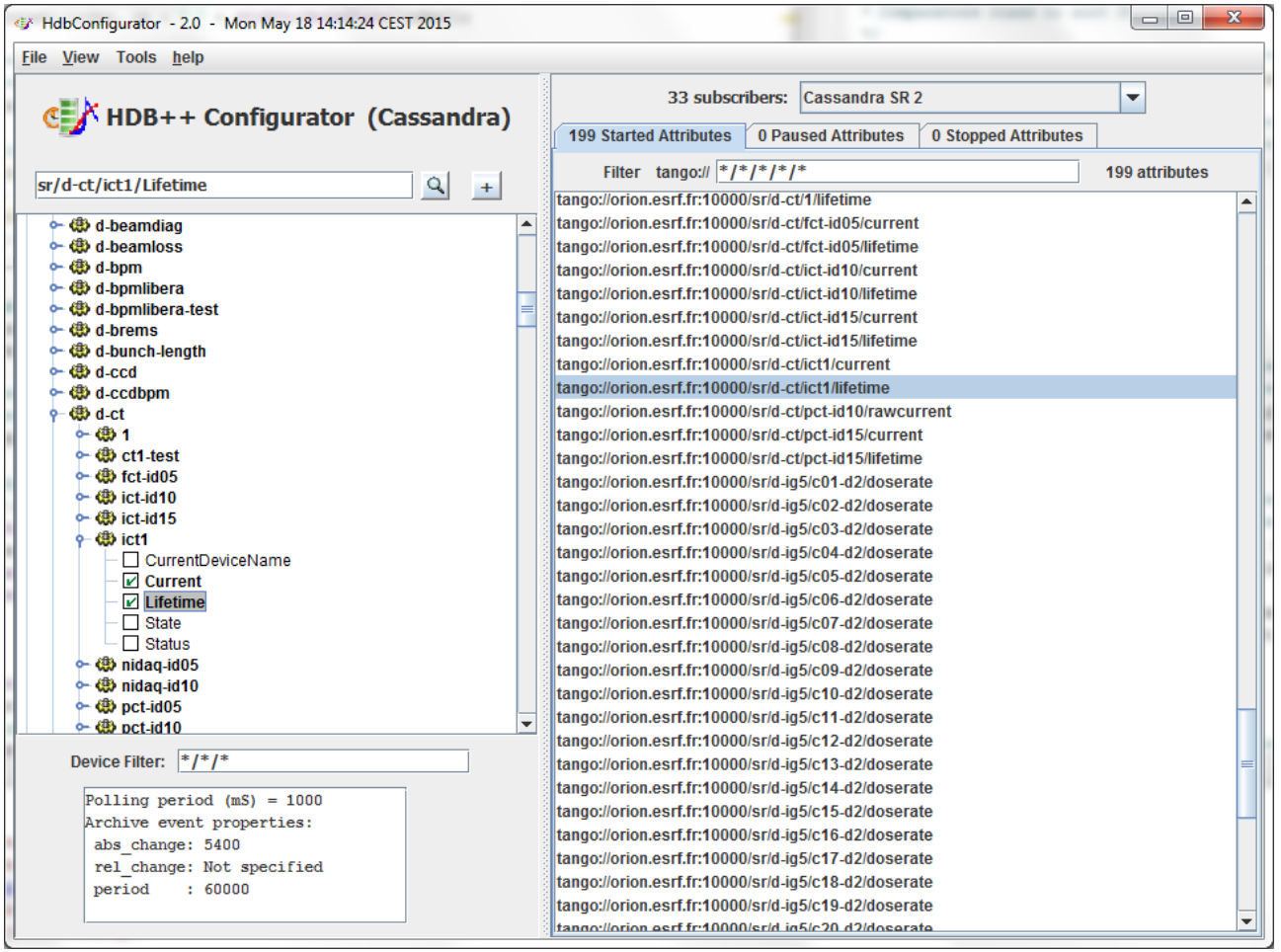
HDB++ TOOLS - Configuration



HDB++ TOOLS - Configuration



HDB++ TOOLS - Configuration



HDB++ TOOLS - Diagnostics

HdbDiagnostics - 1.13 - Wed Apr 08 09:16:17 CEST 2015

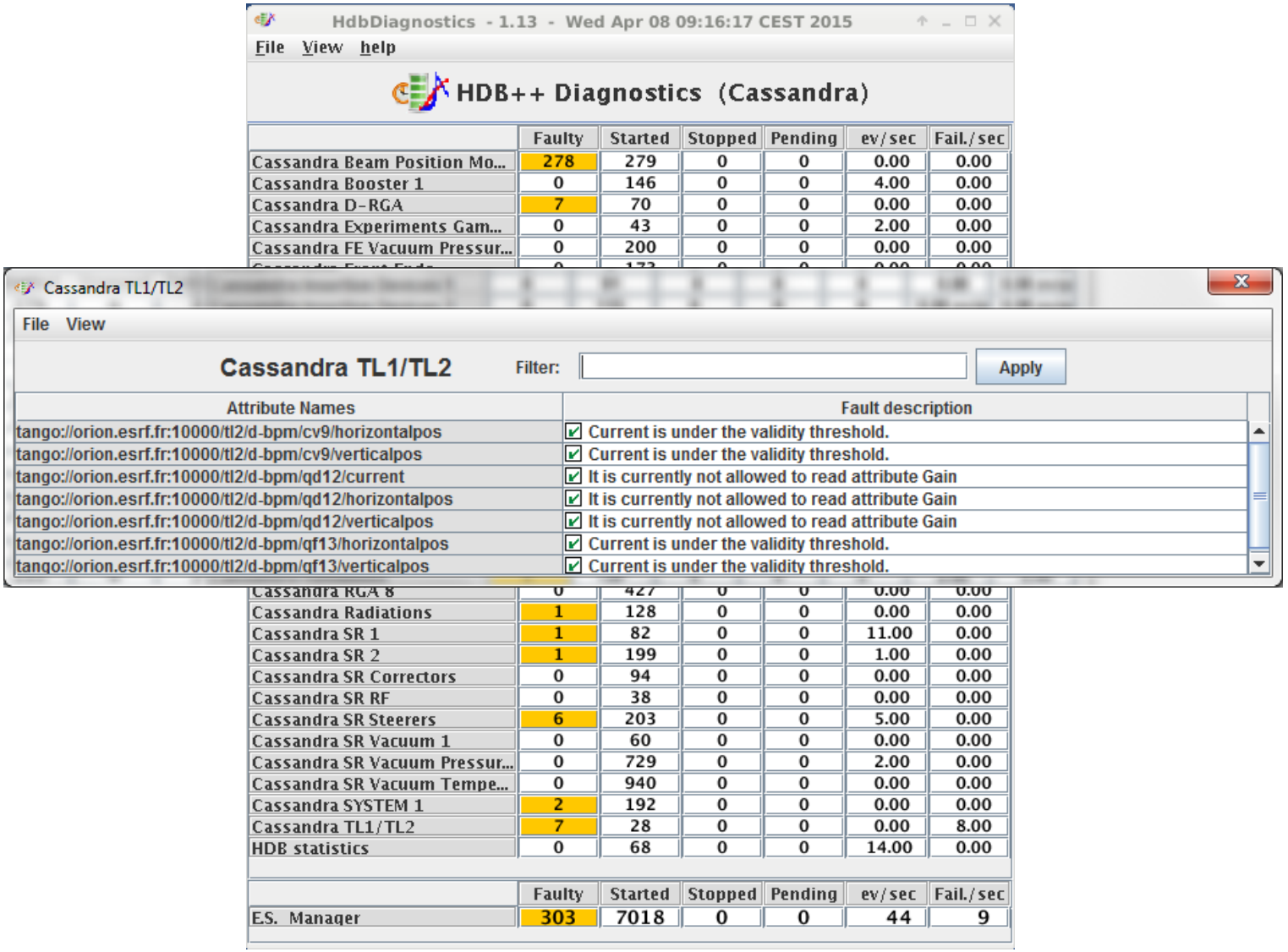
File View help

HDB++ Diagnostics (Cassandra)

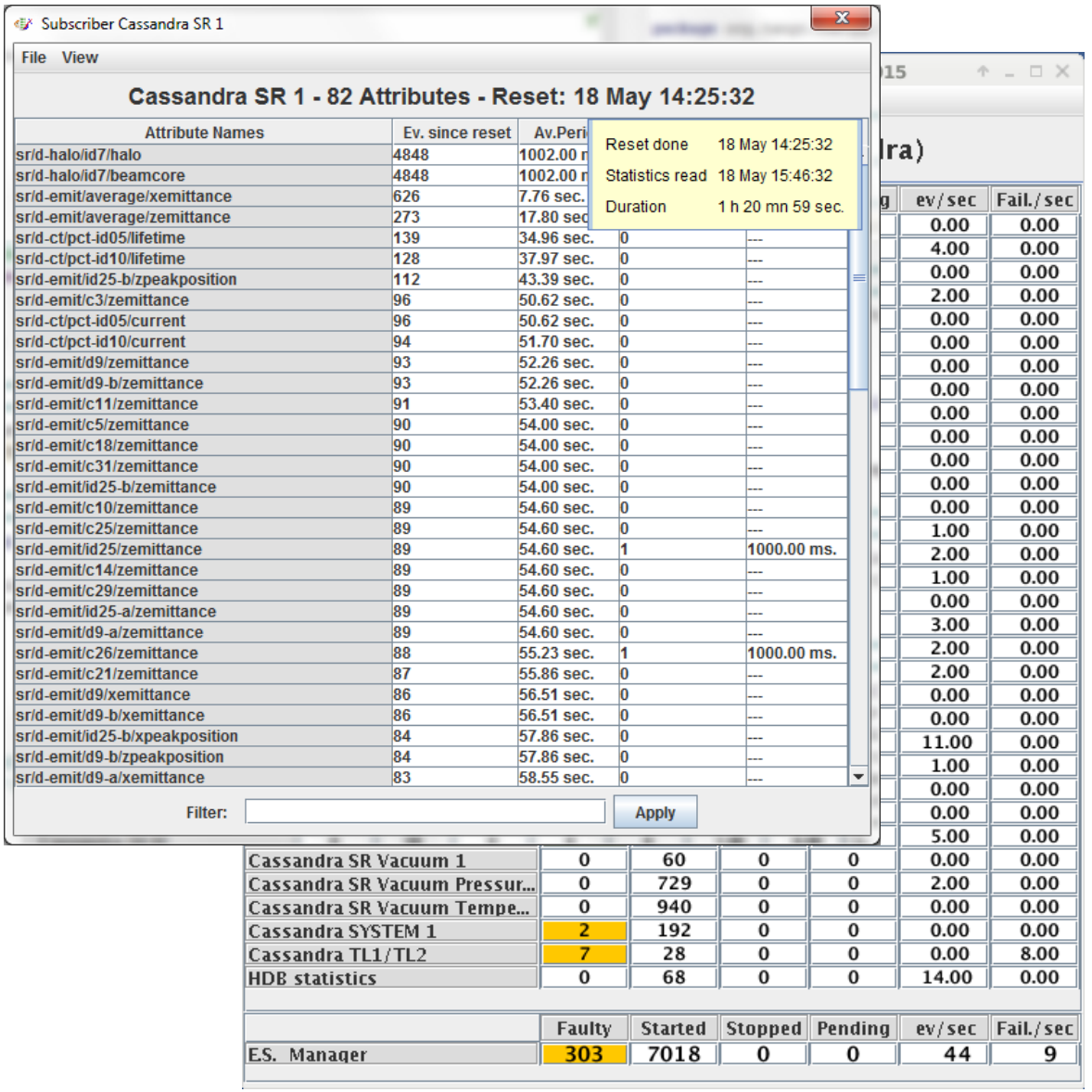
	Faulty	Started	Stopped	Pending	ev/sec	Fail./sec
Cassandra Beam Position Mo...	278	279	0	0	0.00	0.00
Cassandra Booster 1	0	146	0	0	4.00	0.00
Cassandra D-RGA	7	70	0	0	0.00	0.00
Cassandra Experiments Gam...	0	43	0	0	2.00	0.00
Cassandra FE Vacuum Pressur...	0	200	0	0	0.00	0.00
Cassandra Front Ends	0	173	0	0	0.00	0.00
Cassandra ID22	0	7	0	0	0.00	0.00
Cassandra ID30	0	2	0	0	0.00	0.00
Cassandra Insertion Devices 1	0	91	0	0	0.00	0.00
Cassandra Insertion Devices 2	0	113	0	0	0.00	0.00
Cassandra Insertion Devices ...	0	38	0	0	0.00	0.00
Cassandra LINAC	0	122	0	0	0.00	0.00
Cassandra Power Supplies	0	155	0	0	0.00	0.00
Cassandra RGA 1	0	368	0	0	1.00	0.00
Cassandra RGA 2	0	305	0	0	2.00	0.00
Cassandra RGA 3	0	262	0	0	1.00	0.00
Cassandra RGA 4	0	480	0	0	0.00	0.00
Cassandra RGA 5	0	244	0	0	3.00	0.00
Cassandra RGA 6	0	488	0	0	2.00	0.00
Cassandra RGA 7	0	244	0	0	2.00	0.00
Cassandra RGA 8	0	427	0	0	0.00	0.00
Cassandra Radiations	1	128	0	0	0.00	0.00
Cassandra SR 1	1	82	0	0	11.00	0.00
Cassandra SR 2	1	199	0	0	1.00	0.00
Cassandra SR Correctors	0	94	0	0	0.00	0.00
Cassandra SR RF	0	38	0	0	0.00	0.00
Cassandra SR Steerers	6	203	0	0	5.00	0.00
Cassandra SR Vacuum 1	0	60	0	0	0.00	0.00
Cassandra SR Vacuum Pressur...	0	729	0	0	2.00	0.00
Cassandra SR Vacuum Tempe...	0	940	0	0	0.00	0.00
Cassandra SYSTEM 1	2	192	0	0	0.00	0.00
Cassandra TL1/TL2	7	28	0	0	0.00	8.00
HDB statistics	0	68	0	0	14.00	0.00

	Faulty	Started	Stopped	Pending	ev/sec	Fail./sec
ES. Manager	303	7018	0	0	44	9

HDB++ TOOLS - Diagnostics



HDB++ TOOLS - Diagnostics

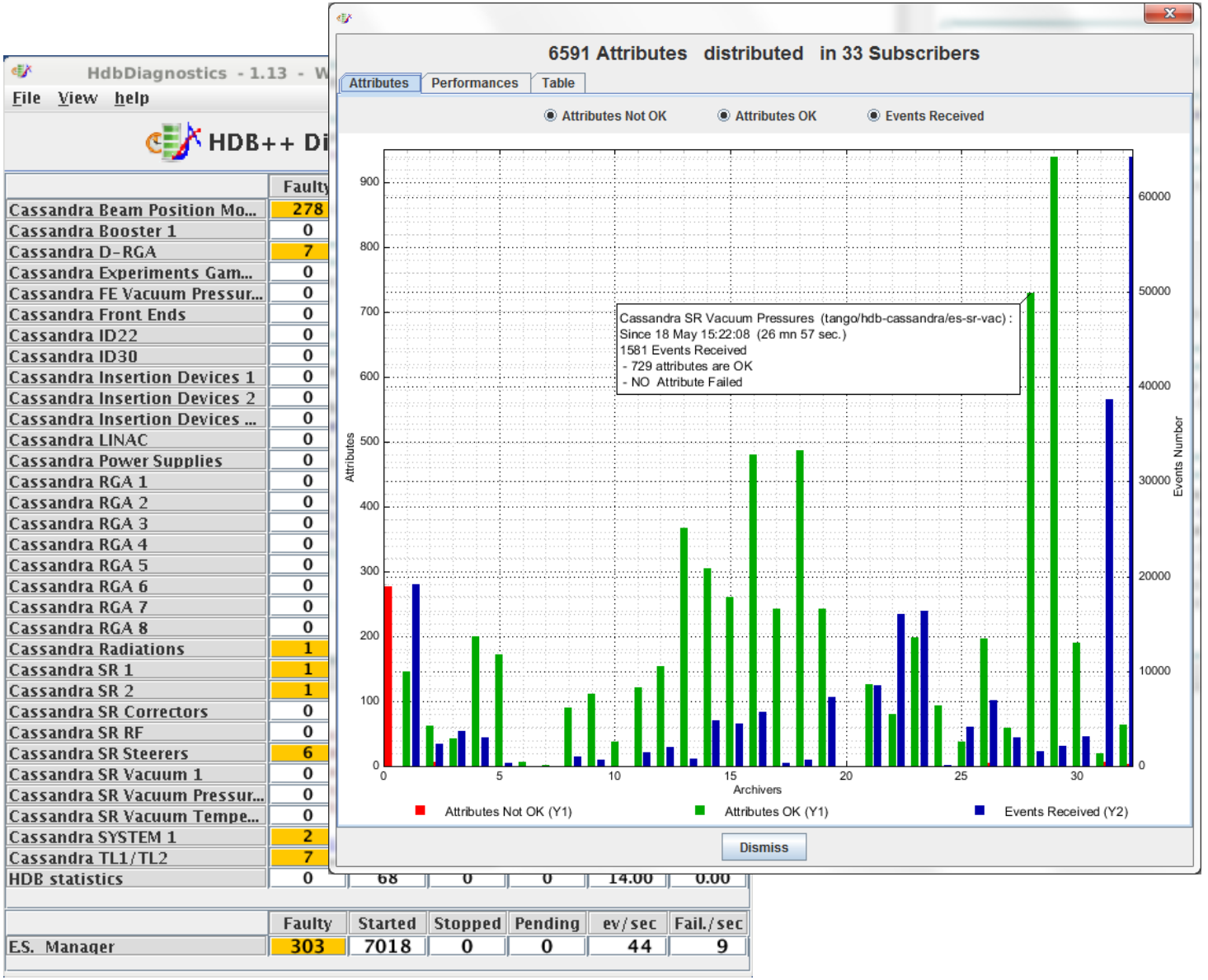


Attribute Names	Ev. since reset	Av.Peri		
sr/d-halo/id7/halo	4848	1002.00 r		
sr/d-halo/id7/beamcore	4848	1002.00 r		
sr/d-emit/average/xemittance	626	7.76 sec.		
sr/d-emit/average/zemittance	273	17.80 sec		
sr/d-ct/pct-id05/lifetime	139	34.96 sec.	0	---
sr/d-ct/pct-id10/lifetime	128	37.97 sec.	0	---
sr/d-emit/id25-b/zpeakposition	112	43.39 sec.	0	---
sr/d-emit/c3/zemittance	96	50.62 sec.	0	---
sr/d-ct/pct-id05/current	96	50.62 sec.	0	---
sr/d-ct/pct-id10/current	94	51.70 sec.	0	---
sr/d-emit/d9/zemittance	93	52.26 sec.	0	---
sr/d-emit/d9-b/zemittance	93	52.26 sec.	0	---
sr/d-emit/c11/zemittance	91	53.40 sec.	0	---
sr/d-emit/c5/zemittance	90	54.00 sec.	0	---
sr/d-emit/c18/zemittance	90	54.00 sec.	0	---
sr/d-emit/c31/zemittance	90	54.00 sec.	0	---
sr/d-emit/id25-b/zemittance	90	54.00 sec.	0	---
sr/d-emit/c10/zemittance	89	54.60 sec.	0	---
sr/d-emit/c25/zemittance	89	54.60 sec.	0	---
sr/d-emit/id25/zemittance	89	54.60 sec.	1	1000.00 ms.
sr/d-emit/c14/zemittance	89	54.60 sec.	0	---
sr/d-emit/c29/zemittance	89	54.60 sec.	0	---
sr/d-emit/id25-a/zemittance	89	54.60 sec.	0	---
sr/d-emit/d9-a/zemittance	89	54.60 sec.	0	---
sr/d-emit/c26/zemittance	88	55.23 sec.	1	1000.00 ms.
sr/d-emit/c21/zemittance	87	55.86 sec.	0	---
sr/d-emit/d9/xemittance	86	56.51 sec.	0	---
sr/d-emit/d9-b/xemittance	86	56.51 sec.	0	---
sr/d-emit/id25-b/xpeakposition	84	57.86 sec.	0	---
sr/d-emit/d9-b/zpeakposition	84	57.86 sec.	0	---
sr/d-emit/d9-a/xemittance	83	58.55 sec.	0	---

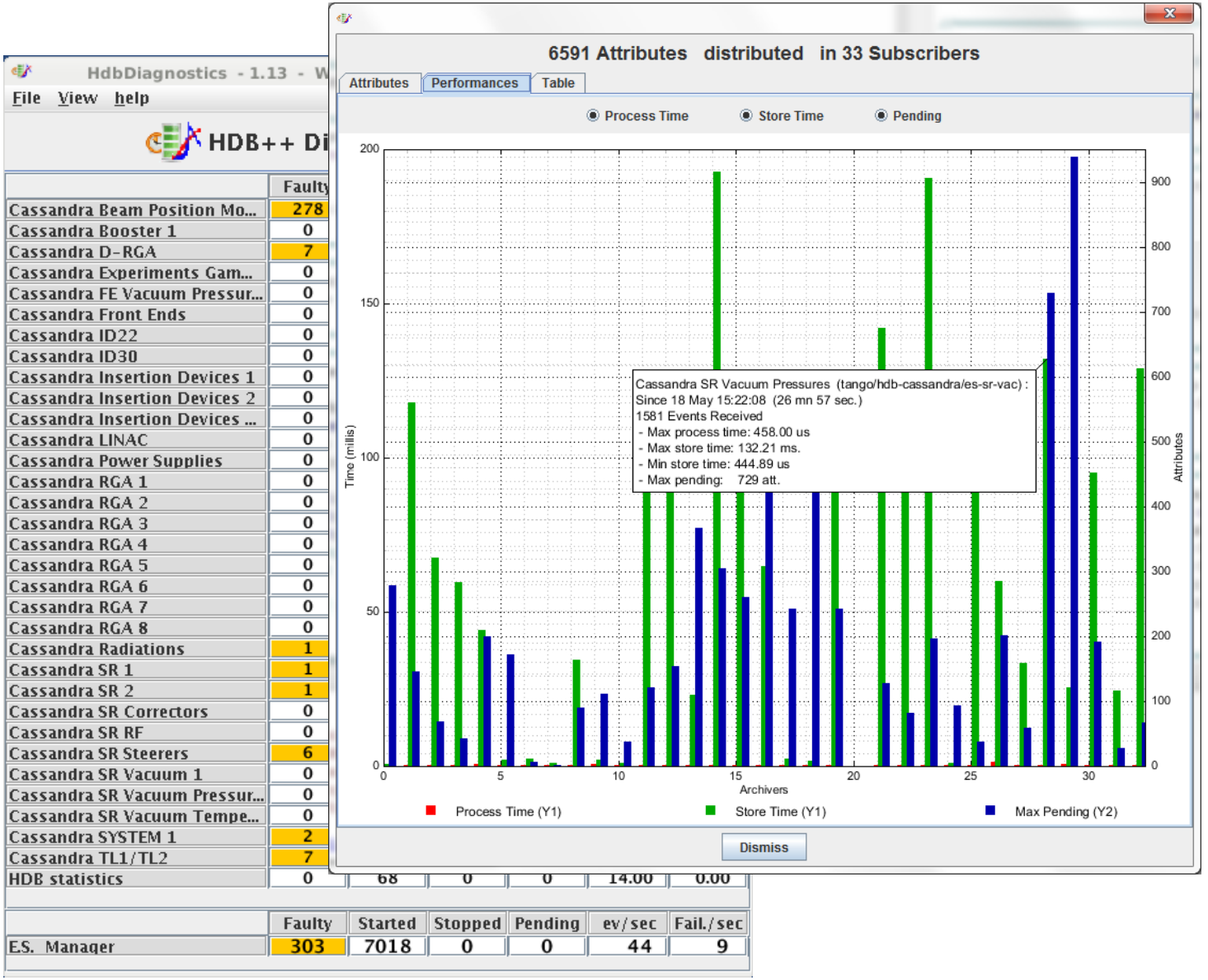
					ev/sec	Fail./sec
Cassandra SR Vacuum 1	0	60	0	0	0.00	0.00
Cassandra SR Vacuum Pressur...	0	729	0	0	2.00	0.00
Cassandra SR Vacuum Tempe...	0	940	0	0	0.00	0.00
Cassandra SYSTEM 1	2	192	0	0	0.00	0.00
Cassandra TL1/TL2	7	28	0	0	0.00	8.00
HDB statistics	0	68	0	0	14.00	0.00

	Faulty	Started	Stopped	Pending	ev/sec	Fail./sec
E.S. Manager	303	7018	0	0	44	9

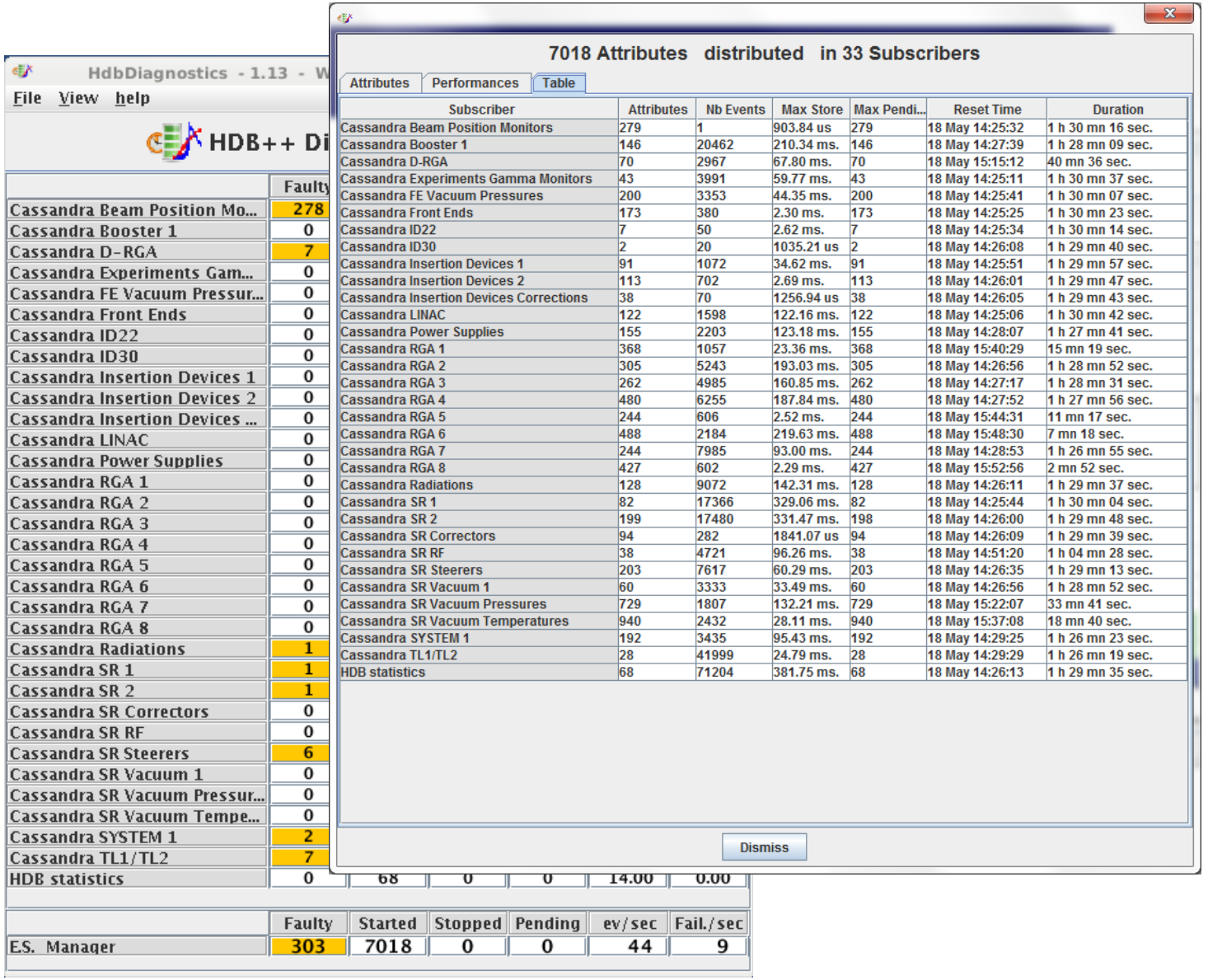
HDB++ TOOLS - Diagnostics



HDB++ TOOLS - Diagnostics



HDB++ TOOLS - Diagnostics

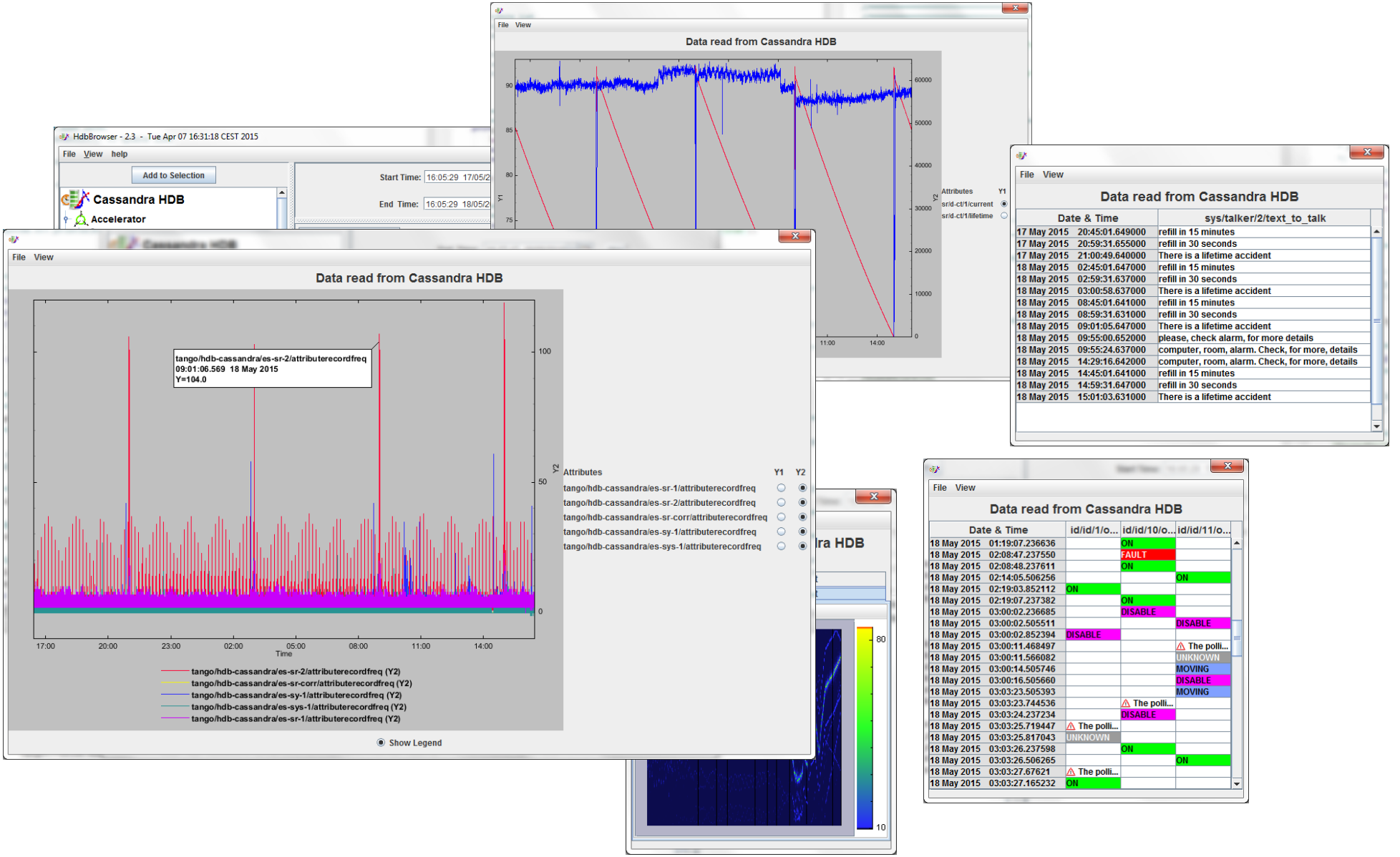


	Faulty
Cassandra Beam Position Mo...	278
Cassandra Booster 1	0
Cassandra D-RGA	7
Cassandra Experiments Gam...	0
Cassandra FE Vacuum Pressur...	0
Cassandra Front Ends	0
Cassandra ID22	0
Cassandra ID30	0
Cassandra Insertion Devices 1	0
Cassandra Insertion Devices 2	0
Cassandra Insertion Devices ...	0
Cassandra LINAC	0
Cassandra Power Supplies	0
Cassandra RGA 1	0
Cassandra RGA 2	0
Cassandra RGA 3	0
Cassandra RGA 4	0
Cassandra RGA 5	0
Cassandra RGA 6	0
Cassandra RGA 7	0
Cassandra RGA 8	0
Cassandra Radiations	1
Cassandra SR 1	1
Cassandra SR 2	1
Cassandra SR Correctors	0
Cassandra SR RF	0
Cassandra SR Steerers	6
Cassandra SR Vacuum 1	0
Cassandra SR Vacuum Pressur...	0
Cassandra SR Vacuum Tempe...	0
Cassandra SYSTEM 1	2
Cassandra TL1/TL2	7
HDB statistics	0

	Faulty	Started	Stopped	Pending	ev/sec	Fail./sec
ES. Manager	303	7018	0	0	44	9

Subscriber	Attributes	Nb Events	Max Store	Max Pendi...	Reset Time	Duration
Cassandra Beam Position Monitors	279	1	903.84 us	279	18 May 14:25:32	1 h 30 mn 16 sec.
Cassandra Booster 1	146	20462	210.34 ms.	146	18 May 14:27:39	1 h 28 mn 09 sec.
Cassandra D-RGA	70	2967	67.80 ms.	70	18 May 15:15:12	40 mn 36 sec.
Cassandra Experiments Gamma Monitors	43	3991	59.77 ms.	43	18 May 14:25:11	1 h 30 mn 37 sec.
Cassandra FE Vacuum Pressures	200	3353	44.35 ms.	200	18 May 14:25:41	1 h 30 mn 07 sec.
Cassandra Front Ends	173	380	2.30 ms.	173	18 May 14:25:25	1 h 30 mn 23 sec.
Cassandra ID22	7	50	2.62 ms.	7	18 May 14:25:34	1 h 30 mn 14 sec.
Cassandra ID30	2	20	1035.21 us	2	18 May 14:26:08	1 h 29 mn 40 sec.
Cassandra Insertion Devices 1	91	1072	34.62 ms.	91	18 May 14:25:51	1 h 29 mn 57 sec.
Cassandra Insertion Devices 2	113	702	2.69 ms.	113	18 May 14:26:01	1 h 29 mn 47 sec.
Cassandra Insertion Devices Corrections	38	70	1256.94 us	38	18 May 14:26:05	1 h 29 mn 43 sec.
Cassandra LINAC	122	1598	122.16 ms.	122	18 May 14:25:06	1 h 30 mn 42 sec.
Cassandra Power Supplies	155	2203	123.18 ms.	155	18 May 14:28:07	1 h 27 mn 41 sec.
Cassandra RGA 1	368	1057	23.36 ms.	368	18 May 15:40:29	15 mn 19 sec.
Cassandra RGA 2	305	5243	193.03 ms.	305	18 May 14:26:56	1 h 28 mn 52 sec.
Cassandra RGA 3	262	4985	160.85 ms.	262	18 May 14:27:17	1 h 28 mn 31 sec.
Cassandra RGA 4	480	6255	187.84 ms.	480	18 May 14:27:52	1 h 27 mn 56 sec.
Cassandra RGA 5	244	606	2.52 ms.	244	18 May 15:44:31	11 mn 17 sec.
Cassandra RGA 6	488	2184	219.63 ms.	488	18 May 15:48:30	7 mn 18 sec.
Cassandra RGA 7	244	7985	93.00 ms.	244	18 May 14:28:53	1 h 26 mn 55 sec.
Cassandra RGA 8	427	602	2.29 ms.	427	18 May 15:52:56	2 mn 52 sec.
Cassandra Radiations	128	9072	142.31 ms.	128	18 May 14:26:11	1 h 29 mn 37 sec.
Cassandra SR 1	82	17366	329.06 ms.	82	18 May 14:25:44	1 h 30 mn 04 sec.
Cassandra SR 2	199	17480	331.47 ms.	198	18 May 14:26:00	1 h 29 mn 48 sec.
Cassandra SR Correctors	94	282	1841.07 us	94	18 May 14:26:09	1 h 29 mn 39 sec.
Cassandra SR RF	38	4721	96.26 ms.	38	18 May 14:51:20	1 h 04 mn 28 sec.
Cassandra SR Steerers	203	7617	60.29 ms.	203	18 May 14:26:35	1 h 29 mn 13 sec.
Cassandra SR Vacuum 1	60	3333	33.49 ms.	60	18 May 14:26:56	1 h 28 mn 52 sec.
Cassandra SR Vacuum Pressures	729	1807	132.21 ms.	729	18 May 15:22:07	33 mn 41 sec.
Cassandra SR Vacuum Temperatures	940	2432	28.11 ms.	940	18 May 15:37:08	18 mn 40 sec.
Cassandra SYSTEM 1	192	3435	95.43 ms.	192	18 May 14:29:25	1 h 26 mn 23 sec.
Cassandra TL1/TL2	28	41999	24.79 ms.	28	18 May 14:29:29	1 h 26 mn 19 sec.
HDB statistics	68	71204	381.75 ms.	68	18 May 14:26:13	1 h 29 mn 35 sec.

HDB++ TOOLS - Extraction (prototype)



HDB++ TOOLS

Thank you for your attention.