

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5249 - L2 Version 4
Chandra X-Ray Center

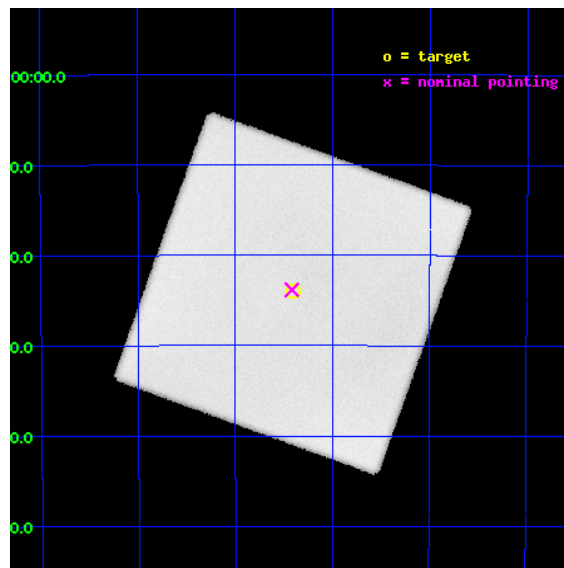
L2 Processing Date : Nov 8 2012

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1 Front

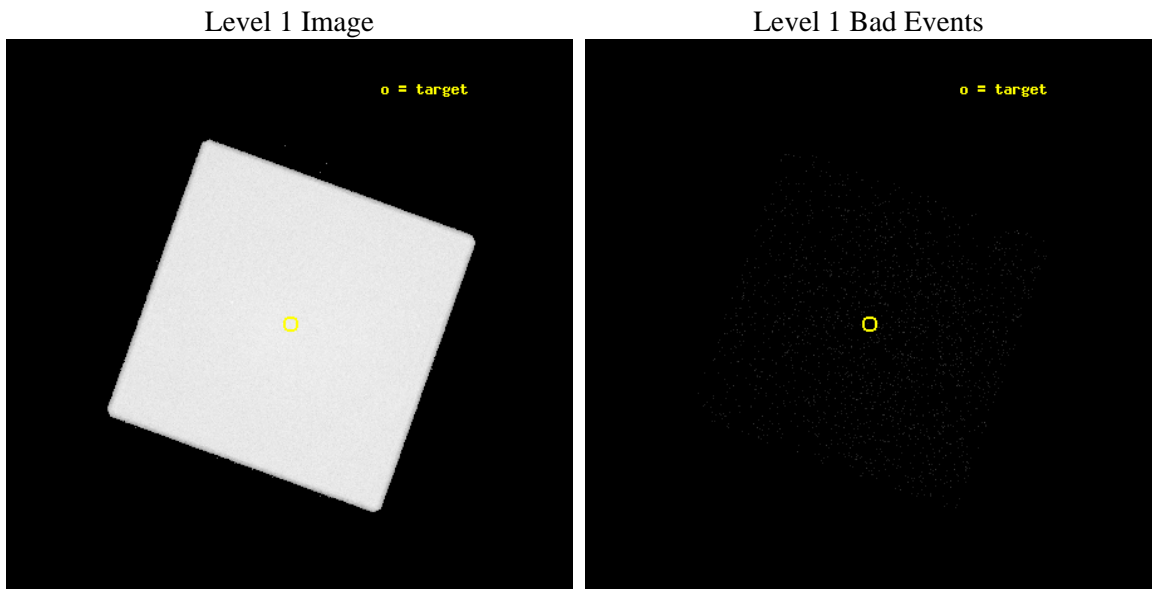
seq_num	290438	Sequence number
obs_id	5249	Observation id
title	AO4 CALIBRATION OBSERVATIONS TO MONITOR THE HRC LOW ENERGY QE	Prop
observer	Dr. CXC Calibration	Principal investigator
object	VELA REMNANT	Source name
ra_targ	129.1	Observer's specified target RA [deg]
dec_targ	-43.4	Observer's specified target Dec [deg]
ra_nom	129.10422753569	Nominal RA [deg]
dec_nom	-43.397204738776	Nominal Dec [deg]
roll_nom	64.83151326257	Nominal Roll [deg]
revision	4	Processing version of data
ontime	19620.807100356	[s]
livetime	16256.608675791	Ontime multiplied by DTCOR
l2events	2295586	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	19750.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19620.807100356	[s]
caldbver	4.5.2	 	l1events	3290631	Number of level 1 events
date	2012-11-08T03:06:17	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

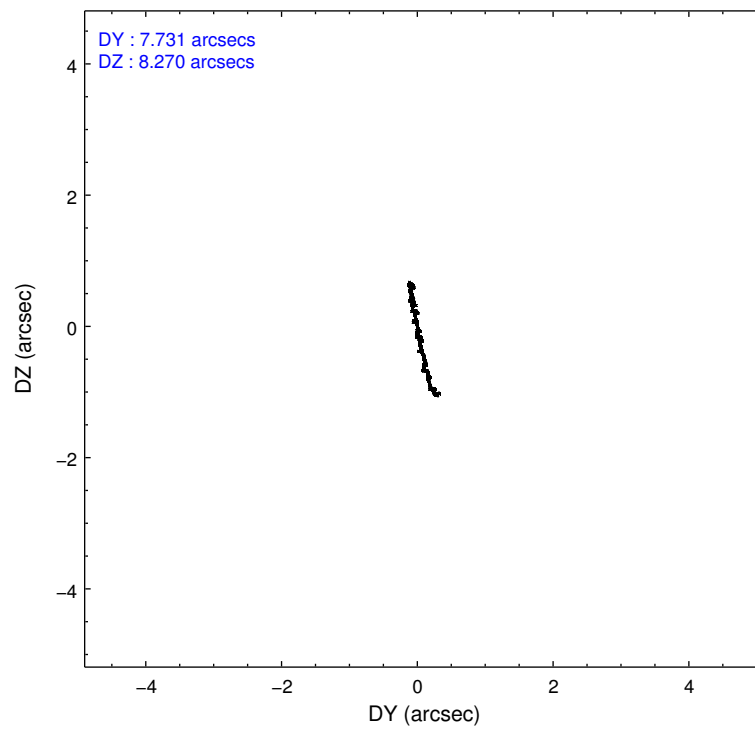
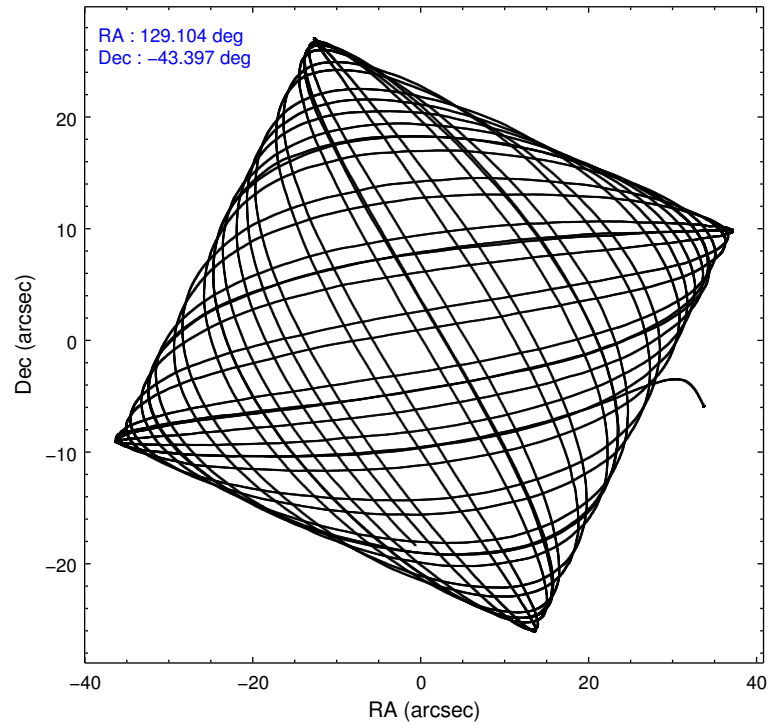
Level 1 Events

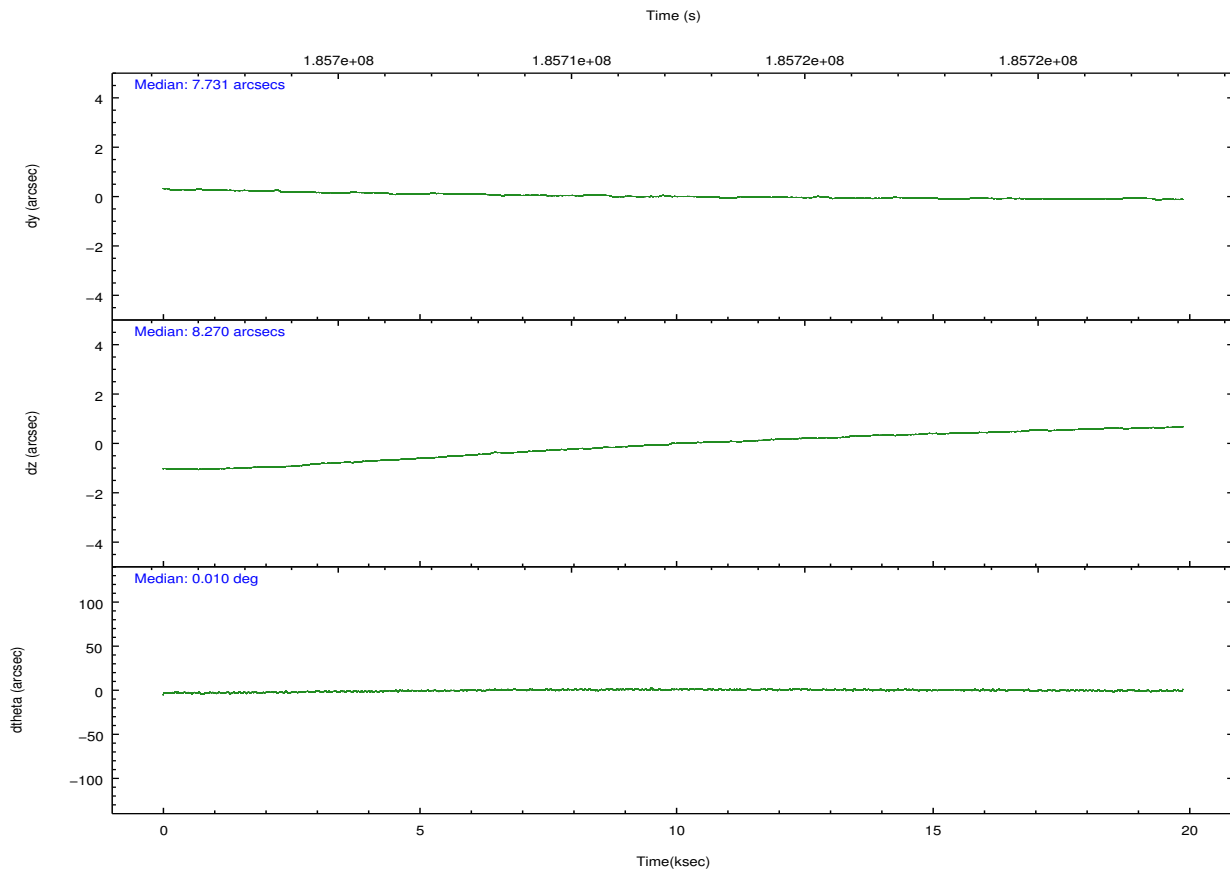
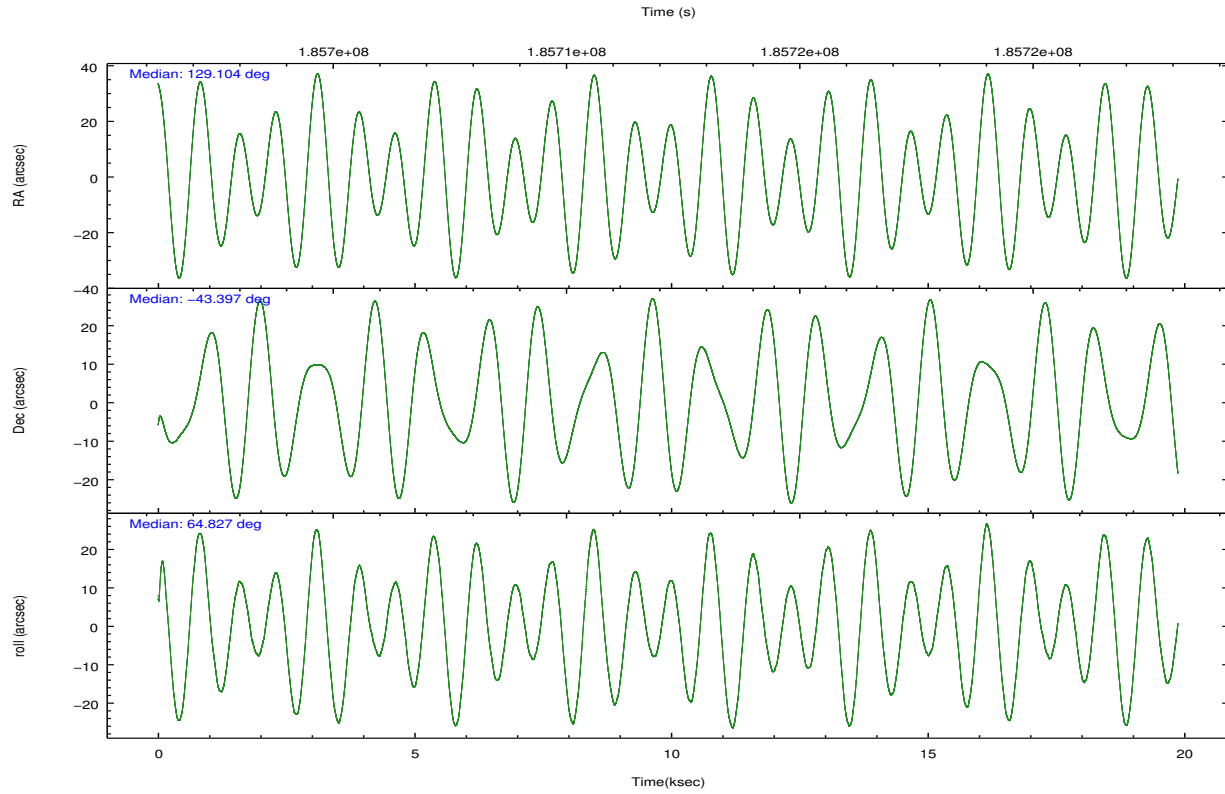
	segment 0
level 1 events	3290631
rejected events	15408
rejected %	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	129.108260	129.1042275356914			
[deg] Pointing Dec	-43.424151	-43.39720473877645			
[deg] Pointing Roll	64.929792	64.83151326257047			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	185702357.184000	185701346.96664			
Observation start date	2003-11-20T07:58:13	2003-11-20T07:42:26			
[s] Observation end time (MET)	185722107.184000	185722937.56758			
Observation end date	2003-11-20T13:27:23	2003-11-20T13:42:17			

2.3 Aspect



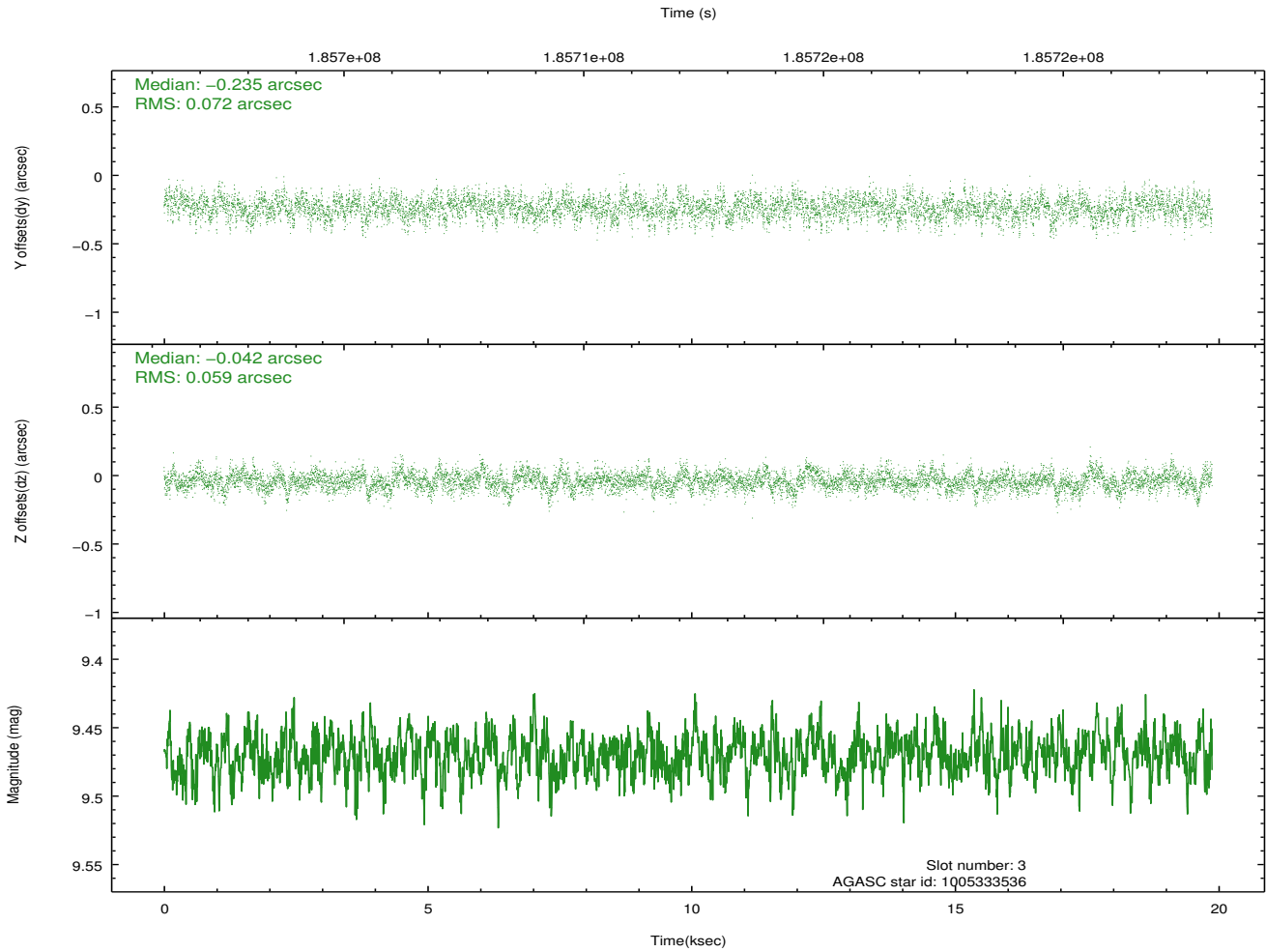
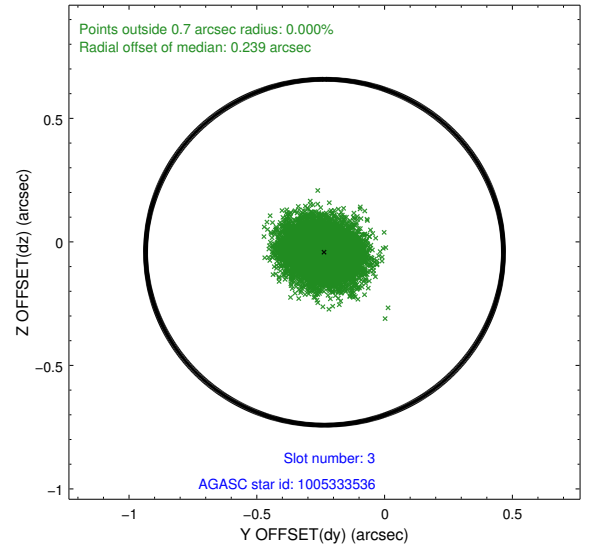
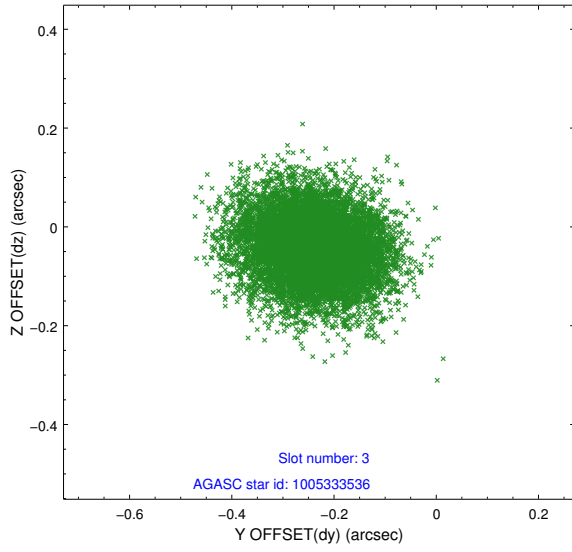


Slot Statistics

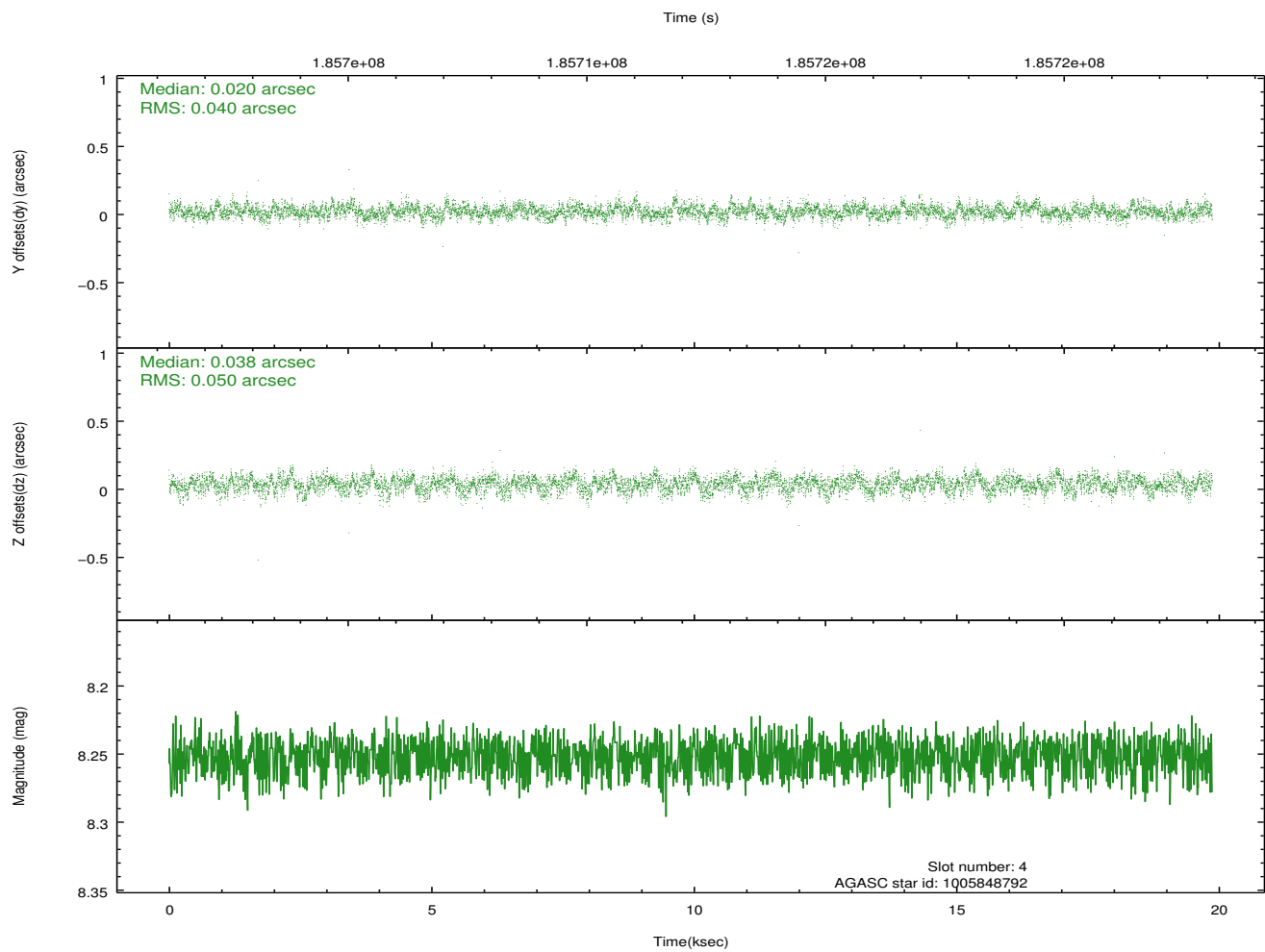
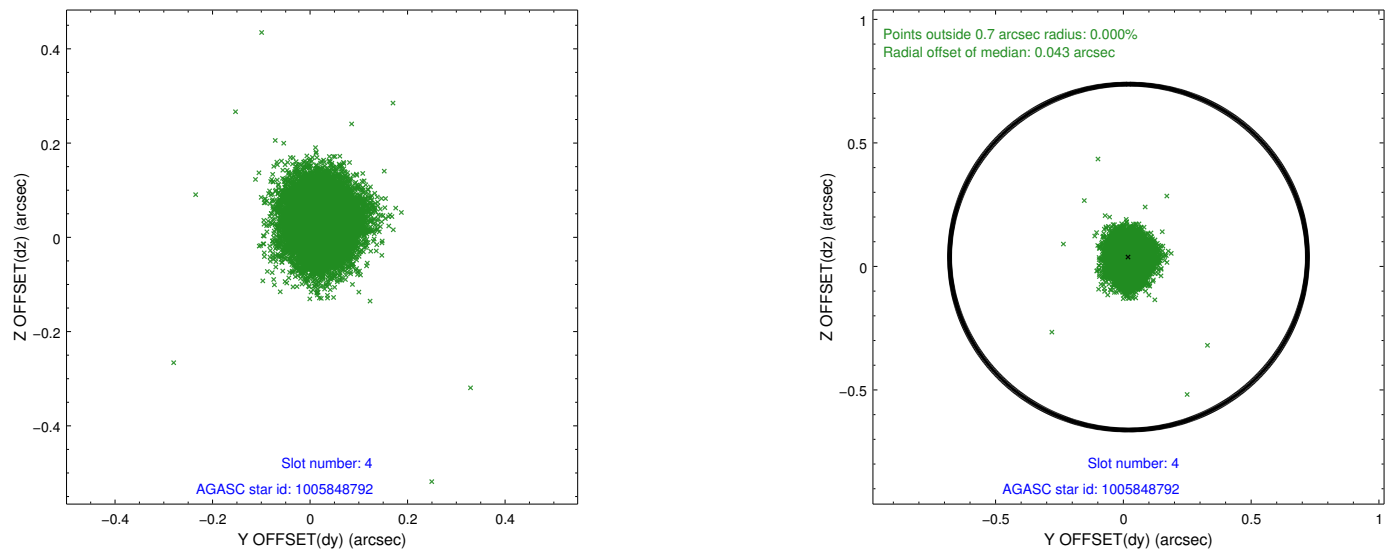
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	4847	0.006	0.058	0.019	0.040	0.000000	0.000000	-763.39	-1295.97
1	FID	HRC-I-2	6.99	4847	0.117	-0.097	0.010	0.018	0.000000	0.000000	849.19	-1297.98
2	FID	HRC-I-3	7.03	4847	-0.005	-0.045	0.025	0.035	0.000000	0.000000	-1191.67	1008.24
3	GUIDE	1005333536	9.47	9684	-0.235	-0.042	0.099	0.162	128.886420	-42.801856	1780.22	1480.08
4	GUIDE	1005848792	8.25	9695	0.020	0.038	0.068	0.109	129.279861	-43.533078	-165.21	-571.59
5	GUIDE	1005851752	8.88	9693	0.006	0.243	0.091	0.146	129.583974	-44.107054	-1708.59	-2157.00
6	GUIDE	1005862096	7.03	9695	0.140	-0.107	0.061	0.100	128.290617	-43.683863	-1758.22	1527.12
7	GUIDE	1005869776	9.14	9692	0.070	-0.128	0.088	0.145	128.321731	-43.737414	-1897.12	1371.06

2.4 Star Slots

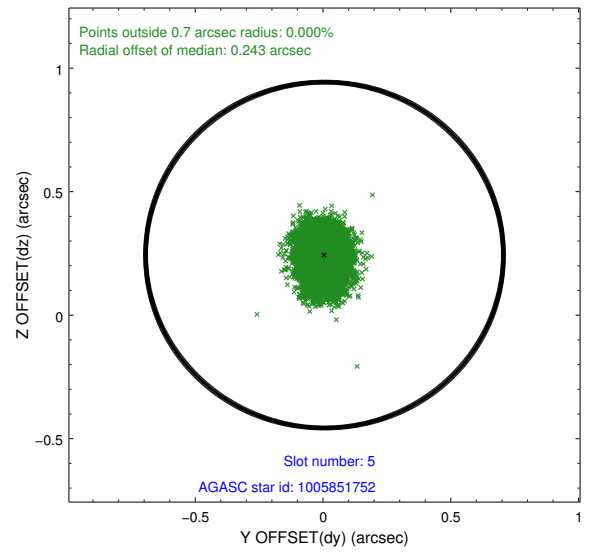
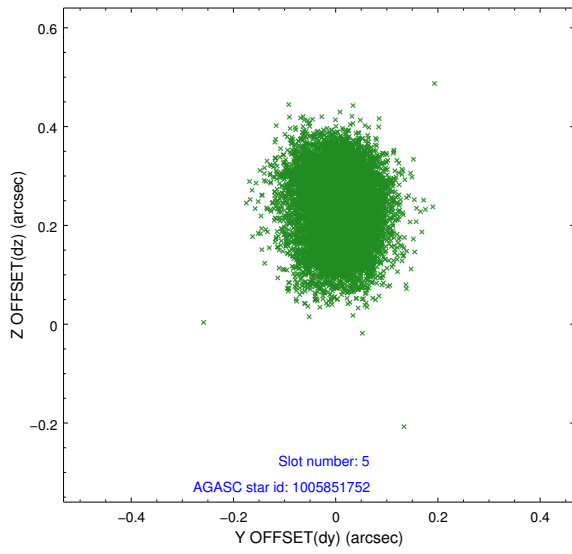
2.4.1 Slot 3



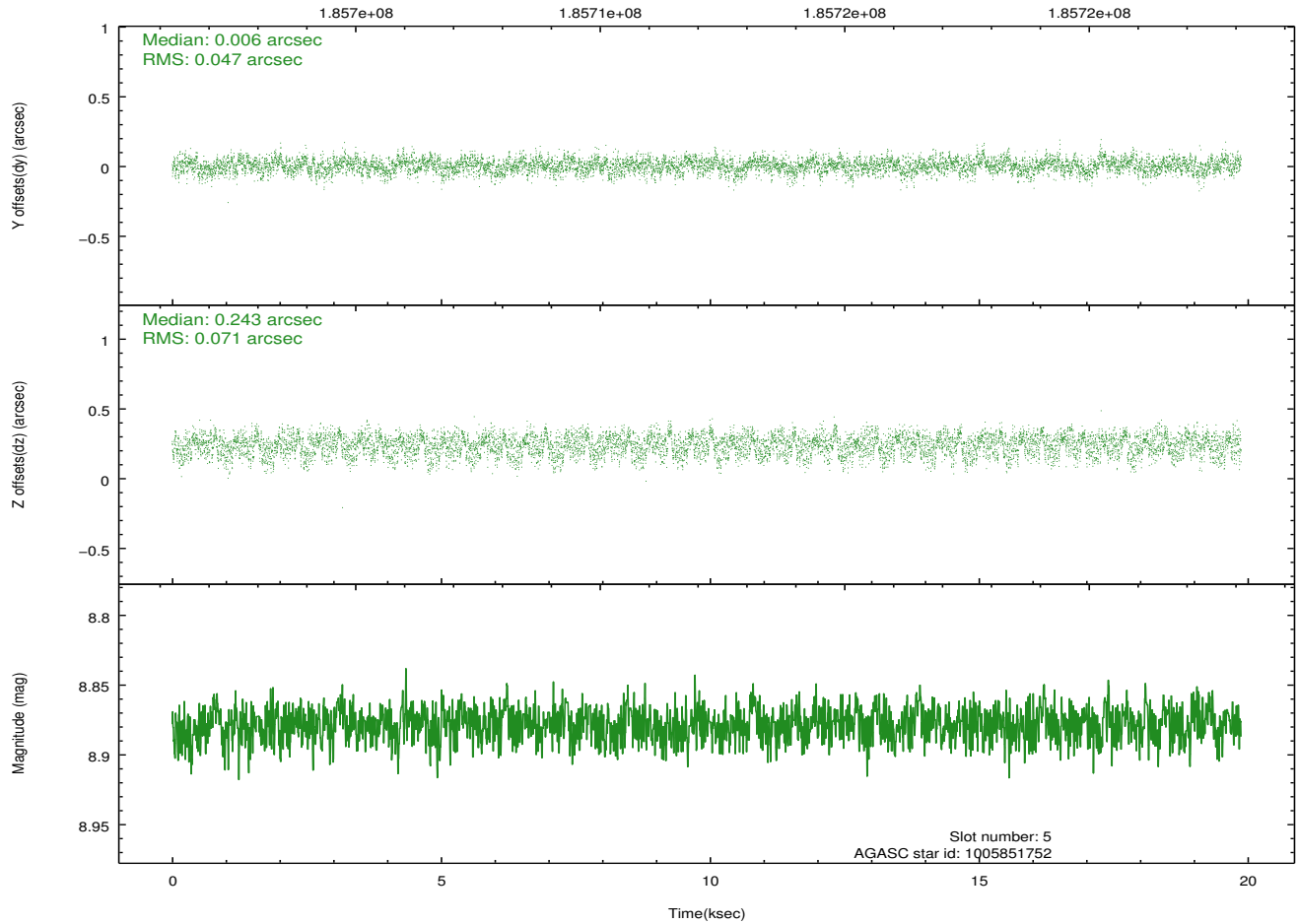
2.4.2 Slot 4



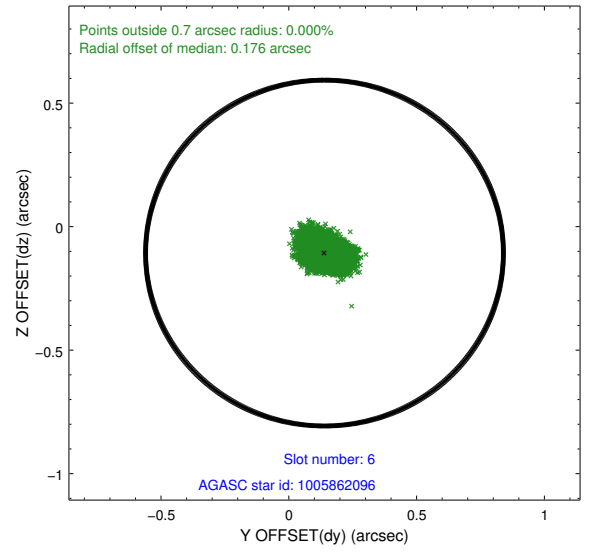
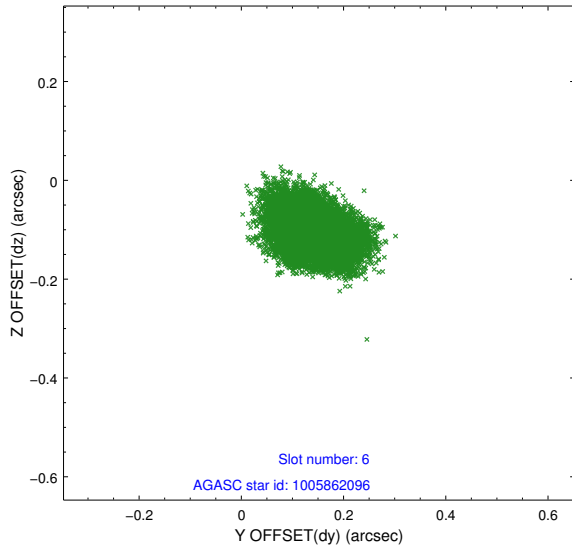
2.4.3 Slot 5



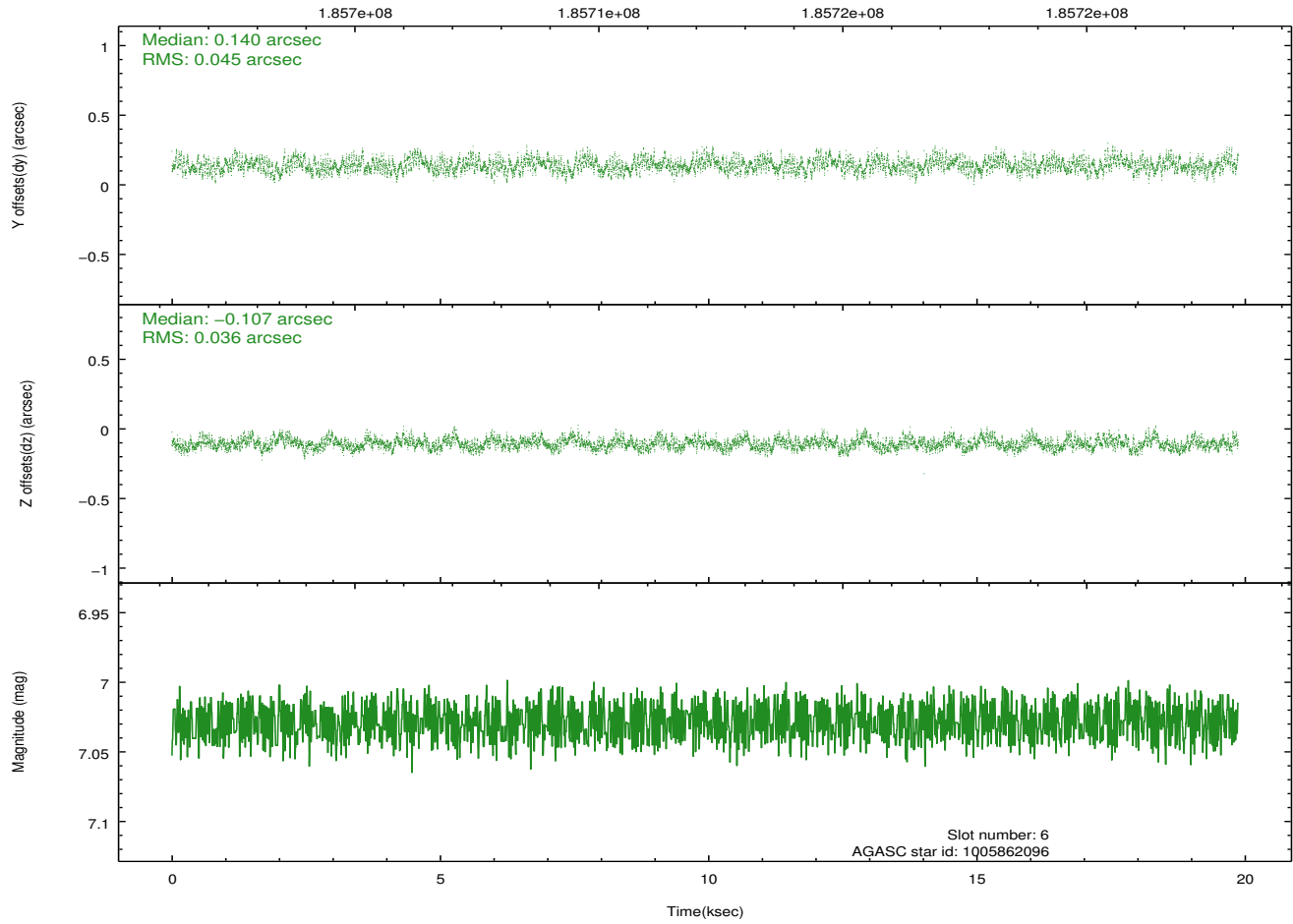
Time (s)



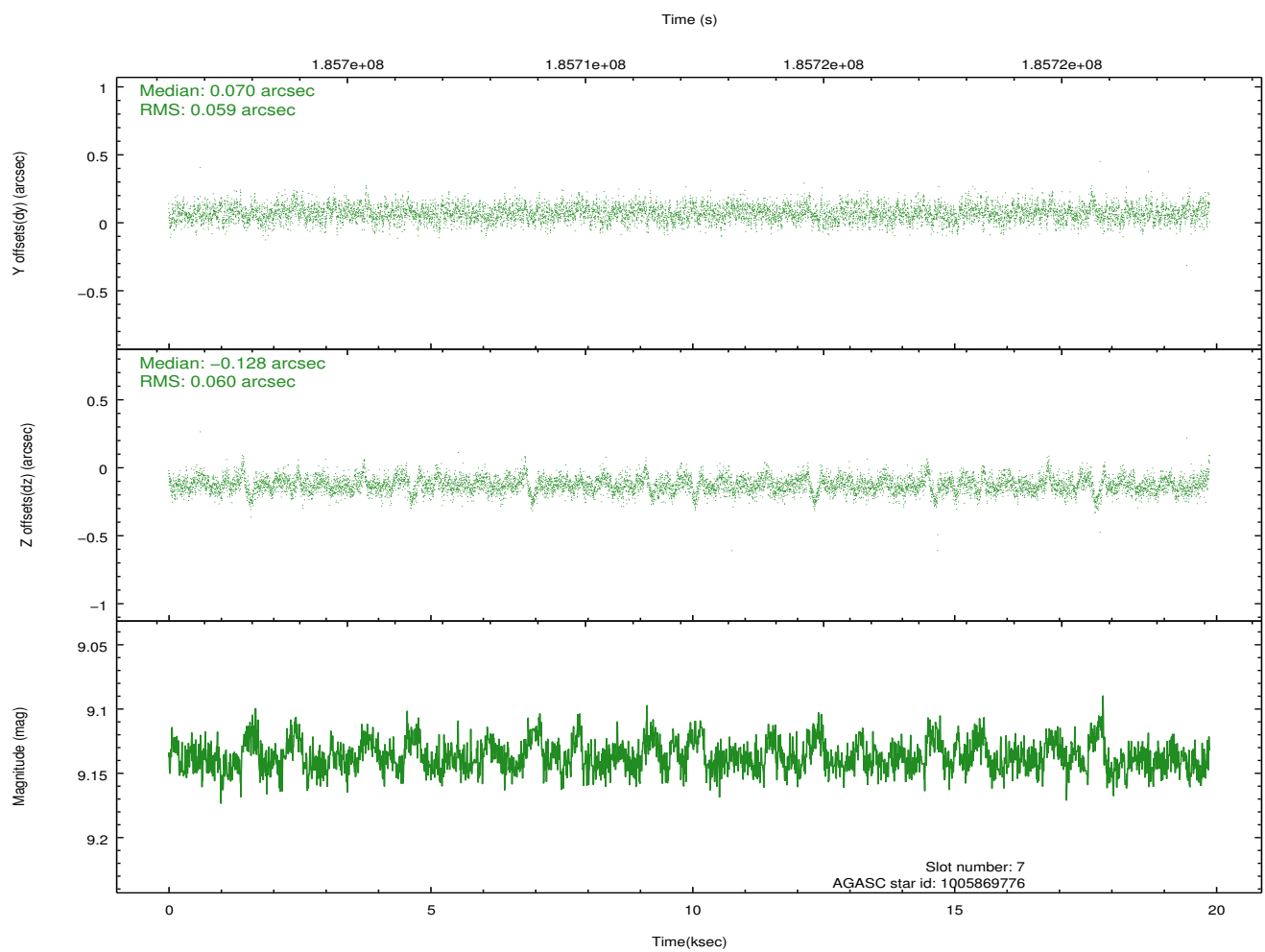
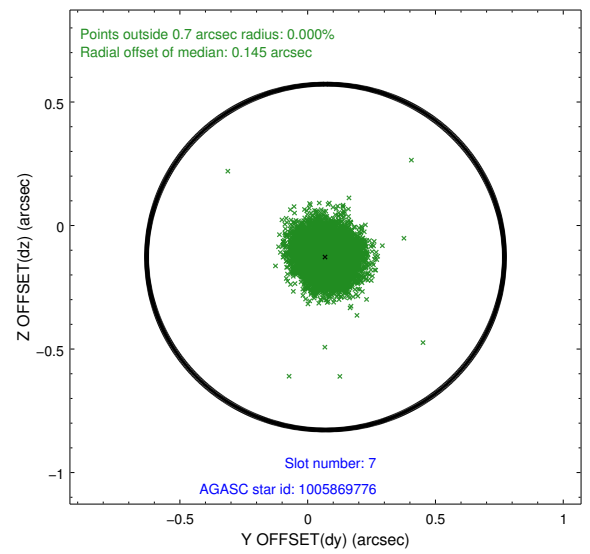
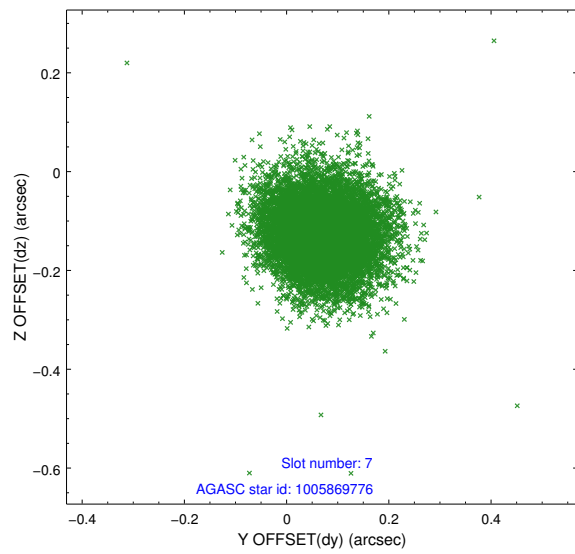
2.4.4 Slot 6



Time (s)

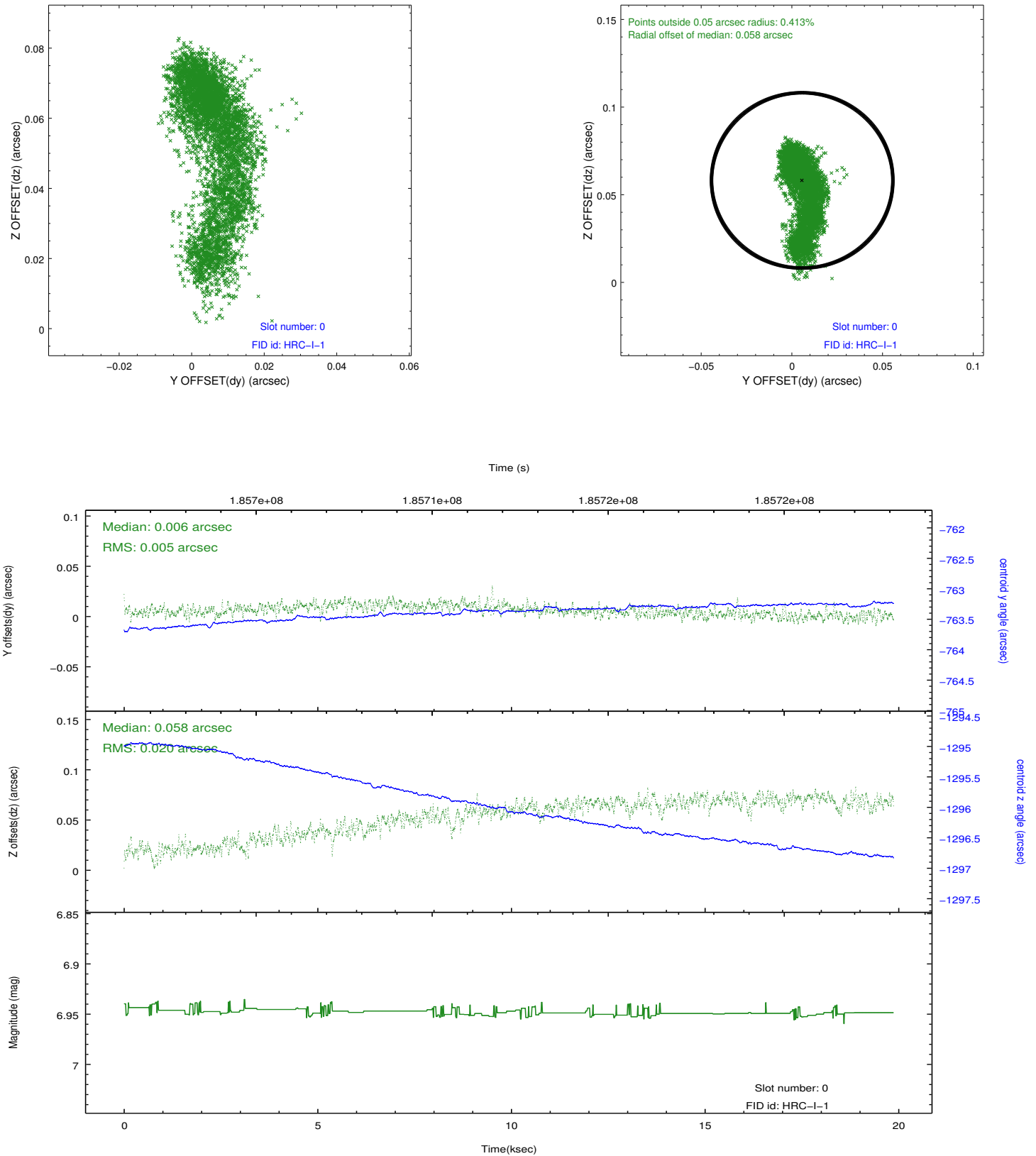


2.4.5 Slot 7

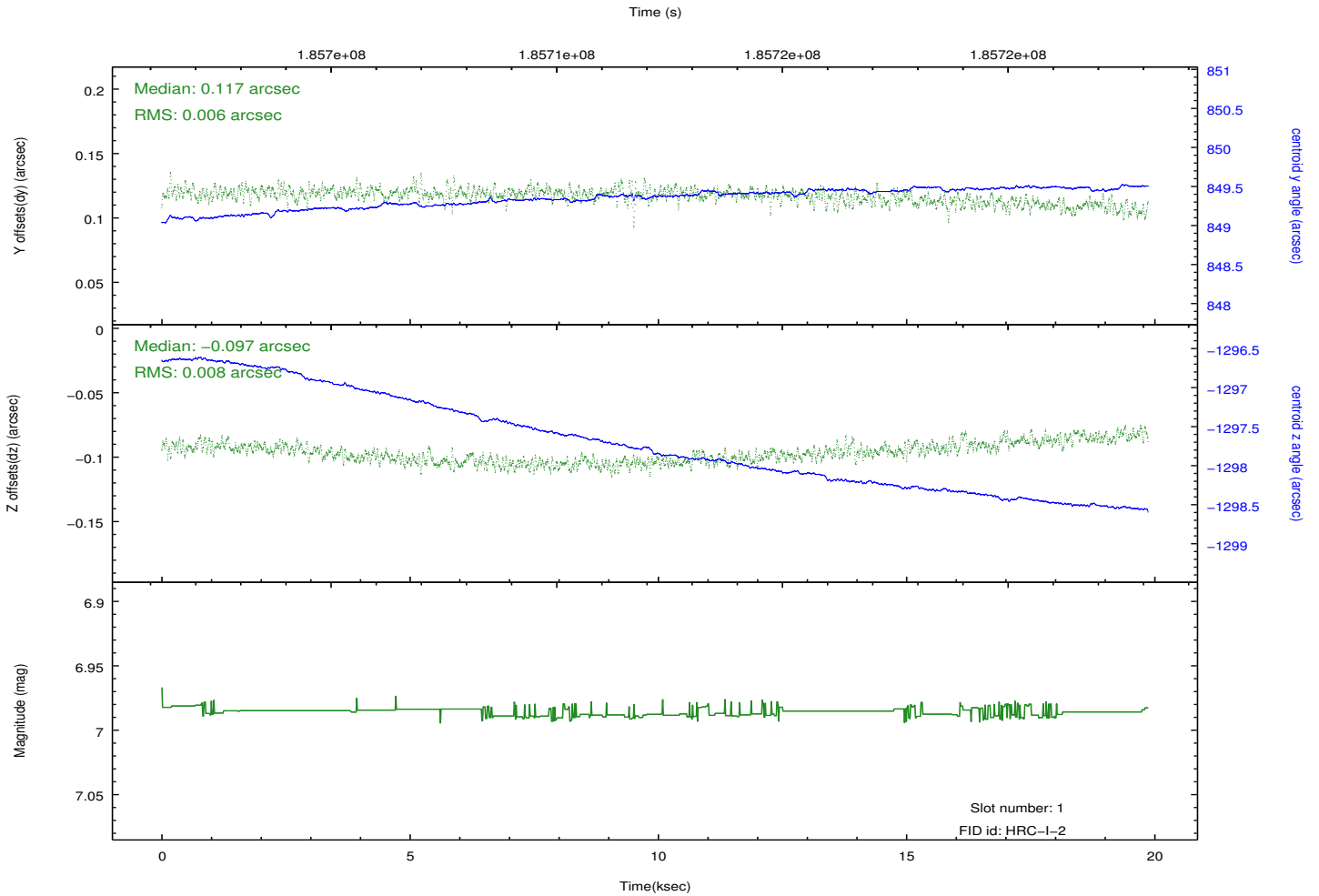
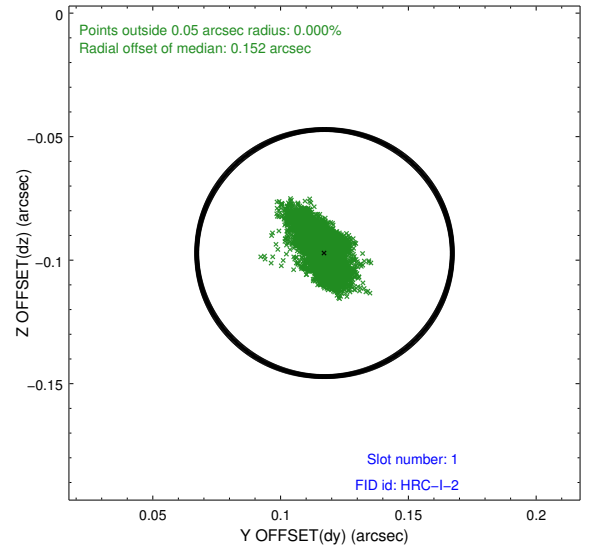
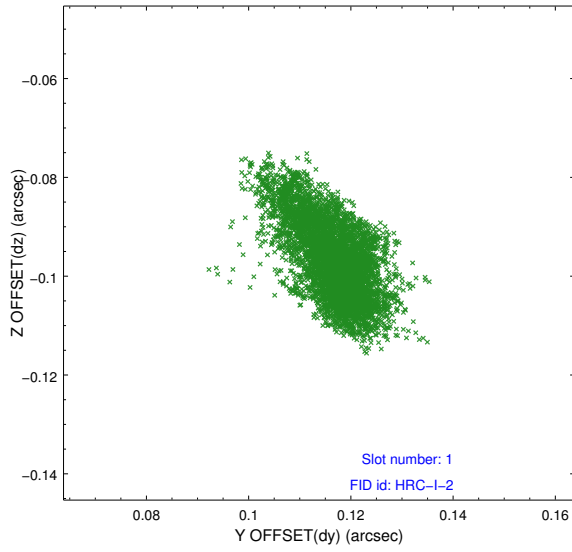


2.5 FID Slots

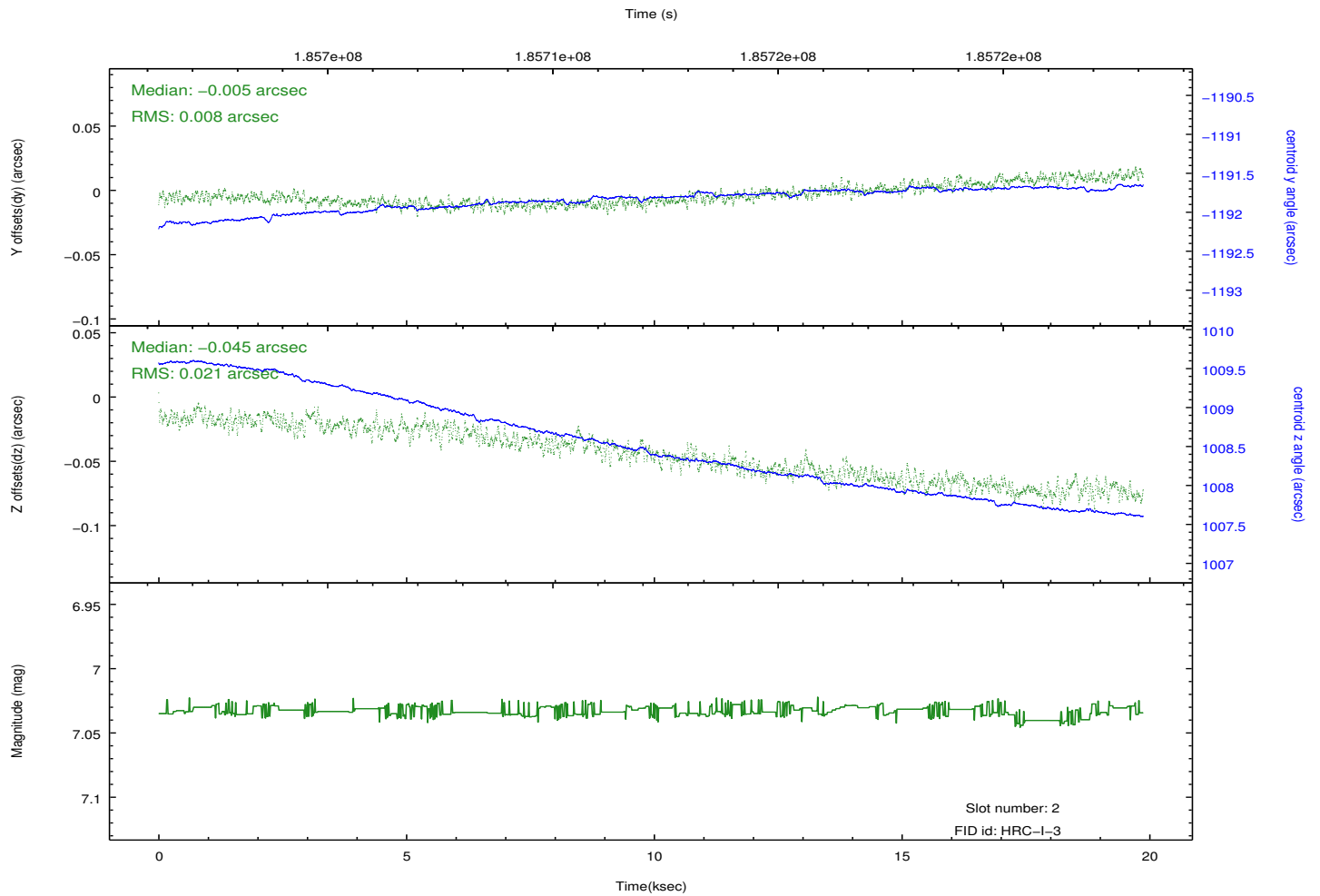
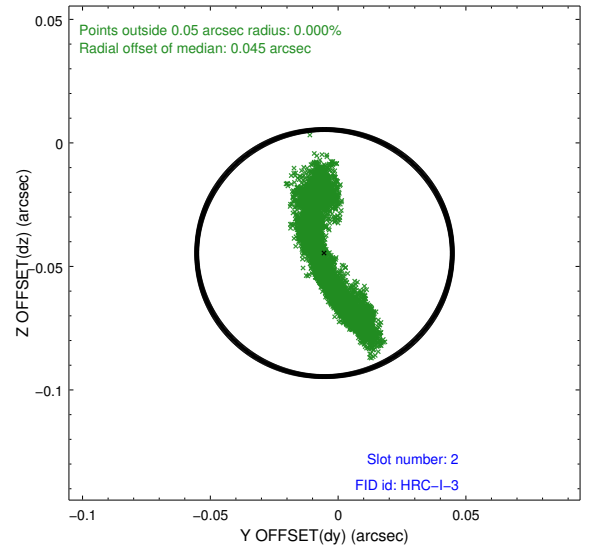
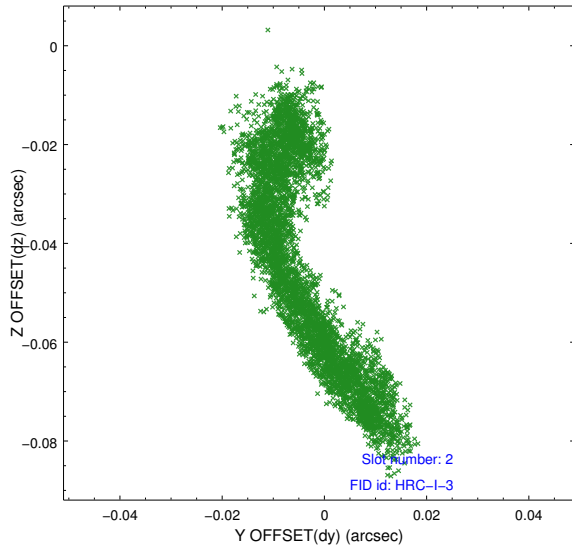
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.62

A.2 Comments