

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 14558 - L2 Version 2
Chandra X-Ray Center

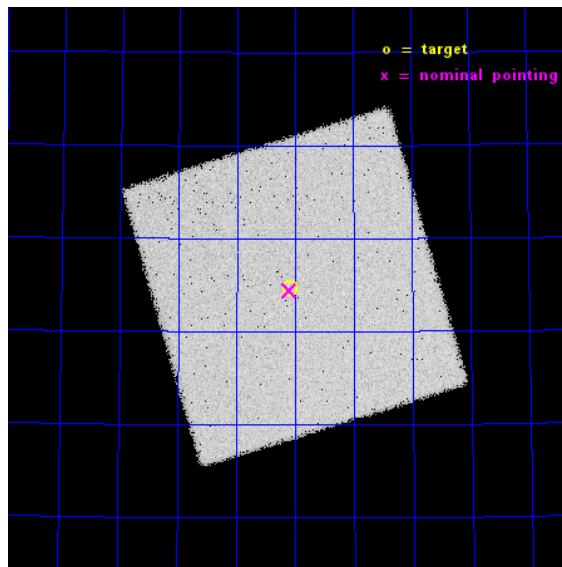
L2 Processing Date : Dec 1 2014

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1 Front

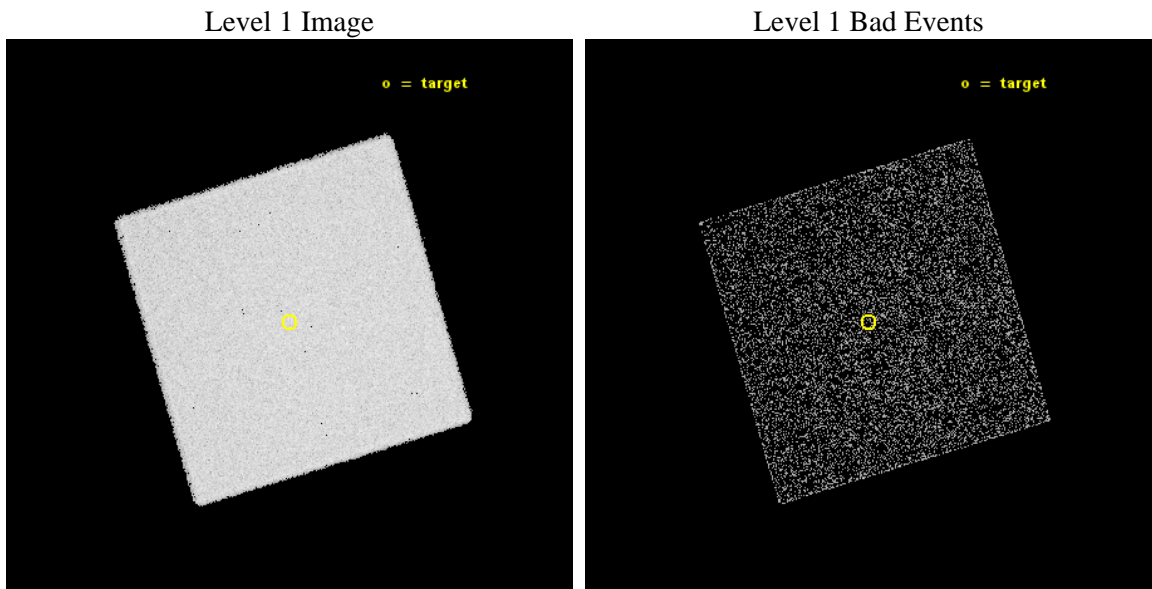
seq_num	200859	Sequence number
obs_id	14558	Observation id
title	Search for X-ray emission from a sample of luminous O-type subdwarfs	
observer	Mr. Nicola La Palombara	Principal investigator
object	LS I +63 198	Source name
ra_targ	52.27375	Observer's specified target RA [deg]
dec_targ	64.078333	Observer's specified target Dec [deg]
ra_nom	52.274667556181	Nominal RA [deg]
dec_nom	64.073991874778	Nominal Dec [deg]
roll_nom	298.43859061163	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4183.281476438	[s]
livetime	4146.8284053258	Ontime multiplied by DTCOR
l2events	270473	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	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.3	Processing system revision	ontime	4183.281476438	[s]
caldsver	4.6.4	 	l1events	545720	Number of level 1 events
date	2014-12-02T00:36:13	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

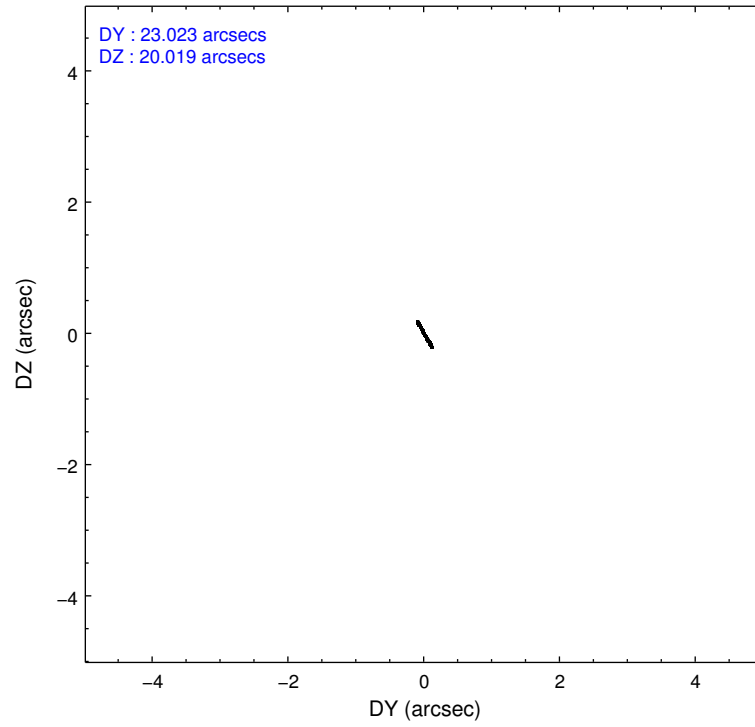
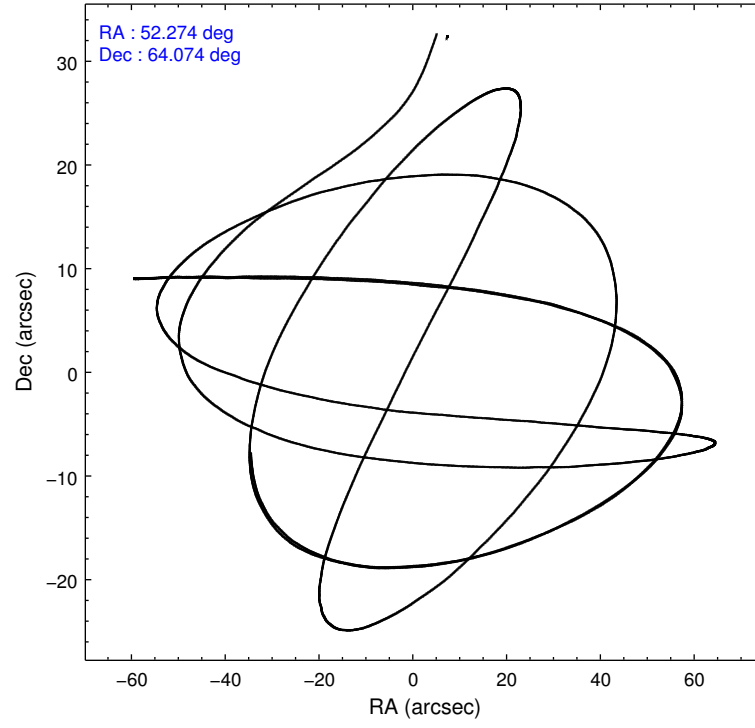
Level 1 Events

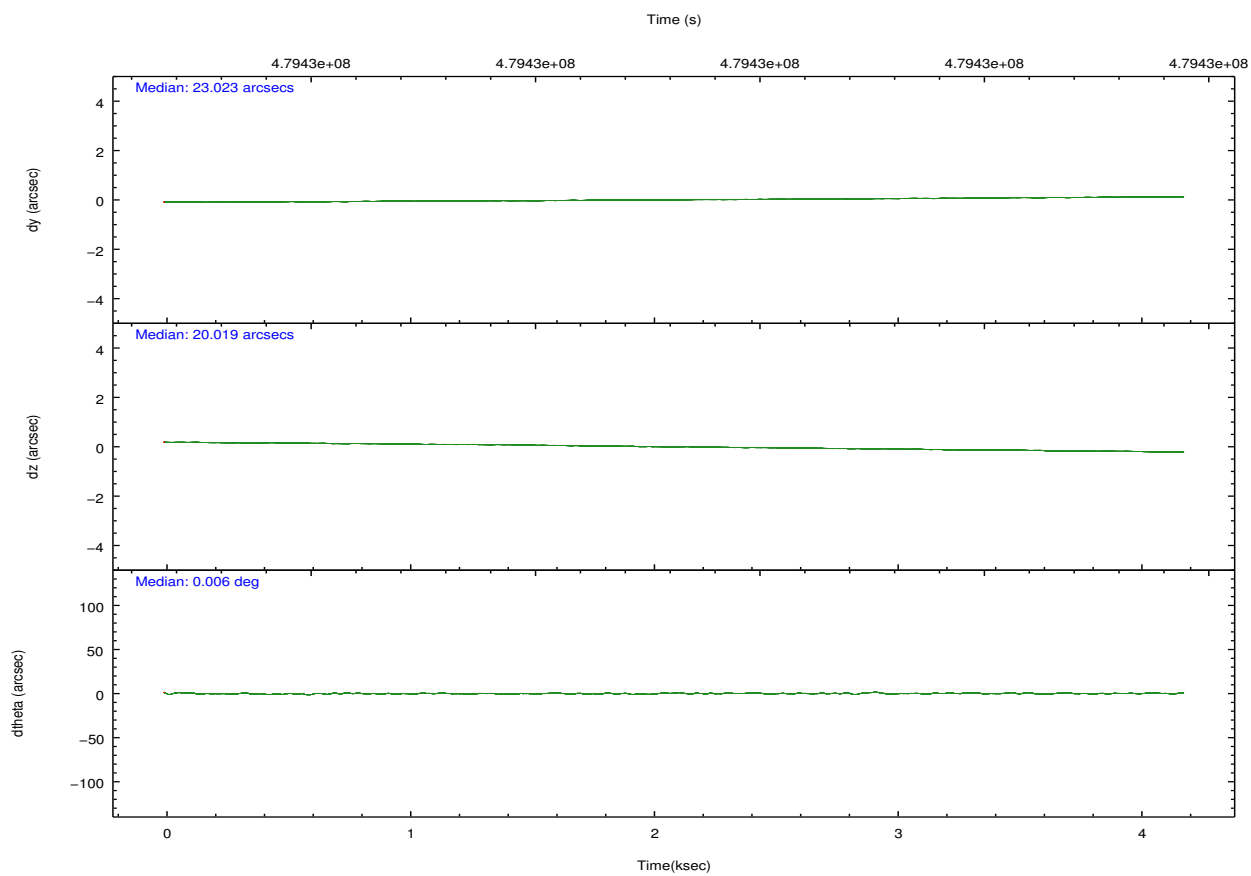
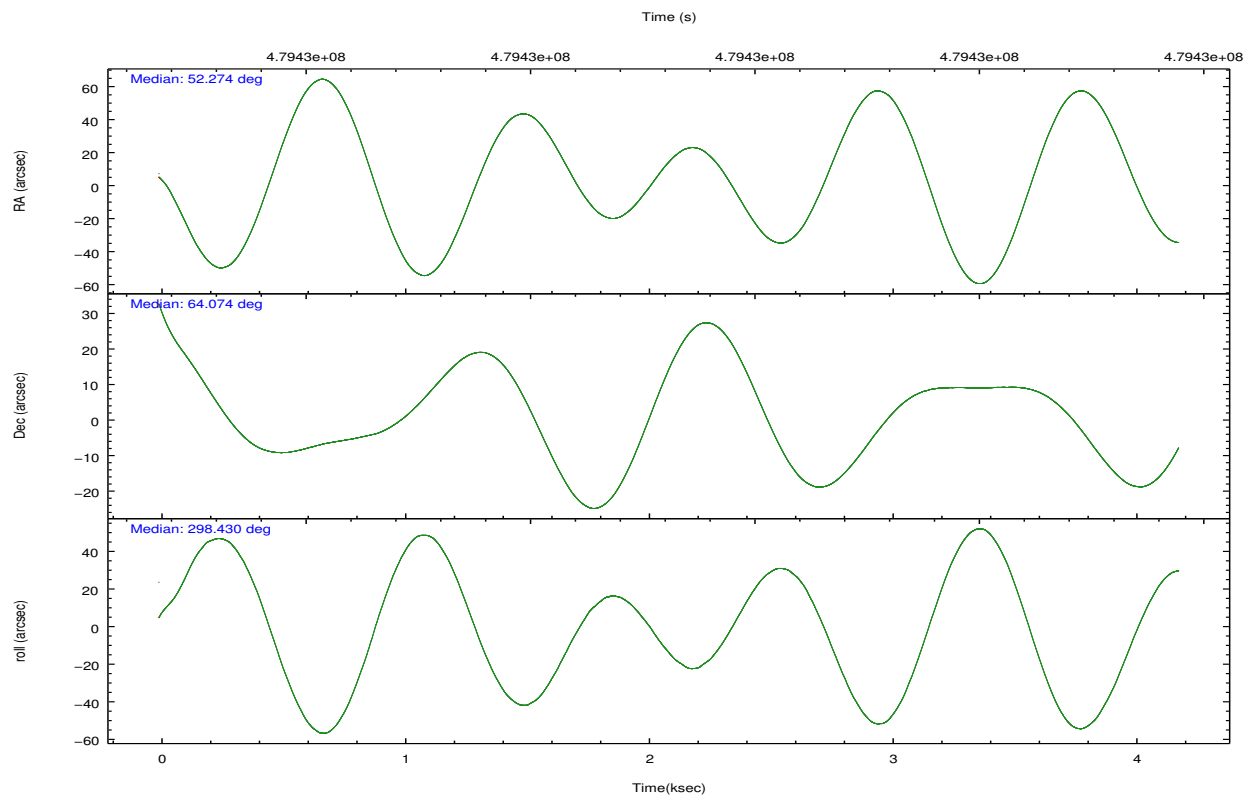
	segment 0
level 1 events	545720
rejected events	174998
rejected %	32%

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	52.221120	52.27466755618062			
[deg] Pointing Dec	64.087837	64.07399187477837			
[deg] Pointing Roll	298.582236	298.4385906116345			
[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)	479425707.184000	479424115.66736			
Observation start date	2013-03-11T21:47:20	2013-03-11T21:21:55			
[s] Observation end time (MET)	479429707.184000	479430264.13019			
Observation end date	2013-03-11T22:54:00	2013-03-11T23:04:24			

2.3 Aspect



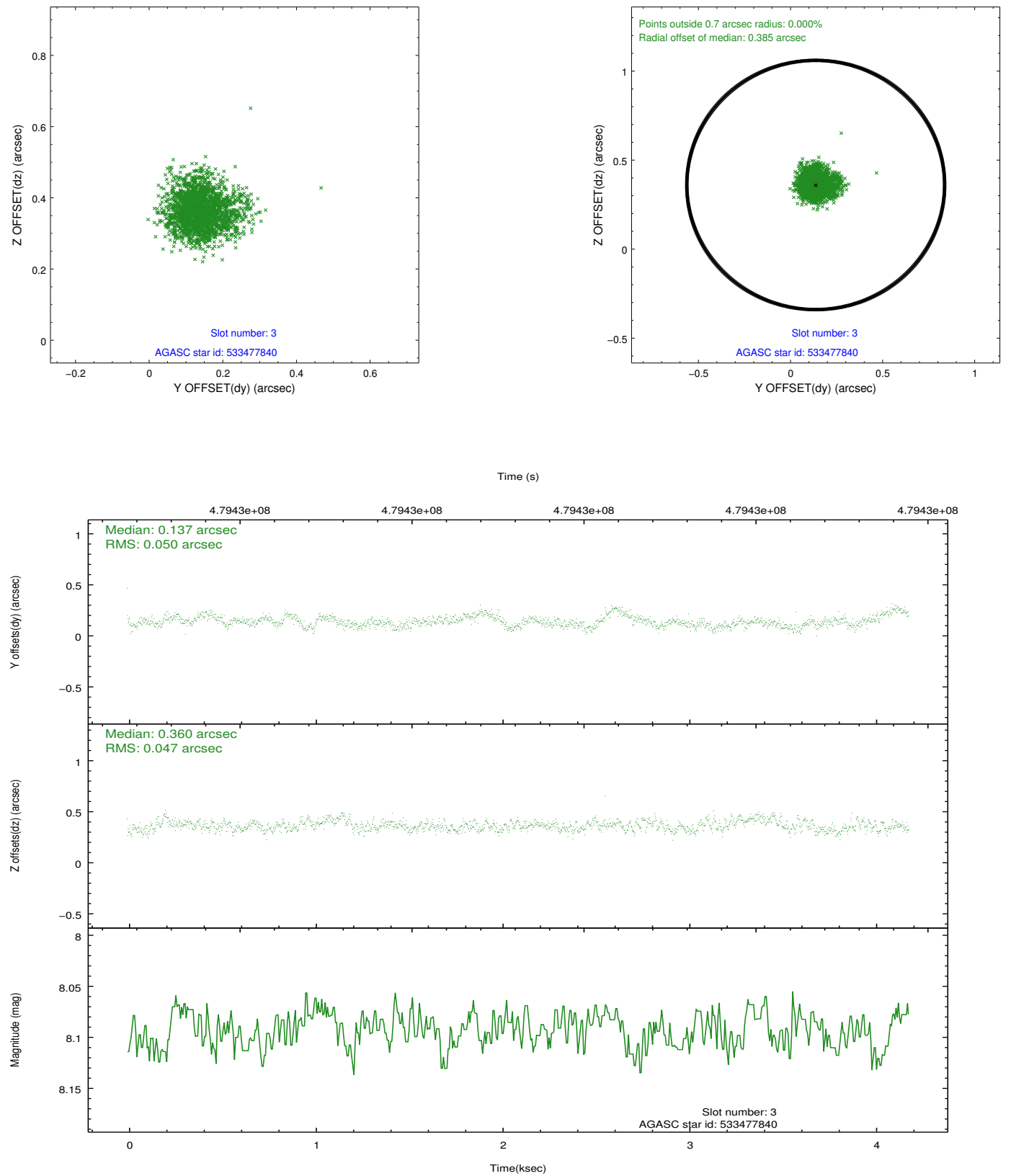


Slot Statistics

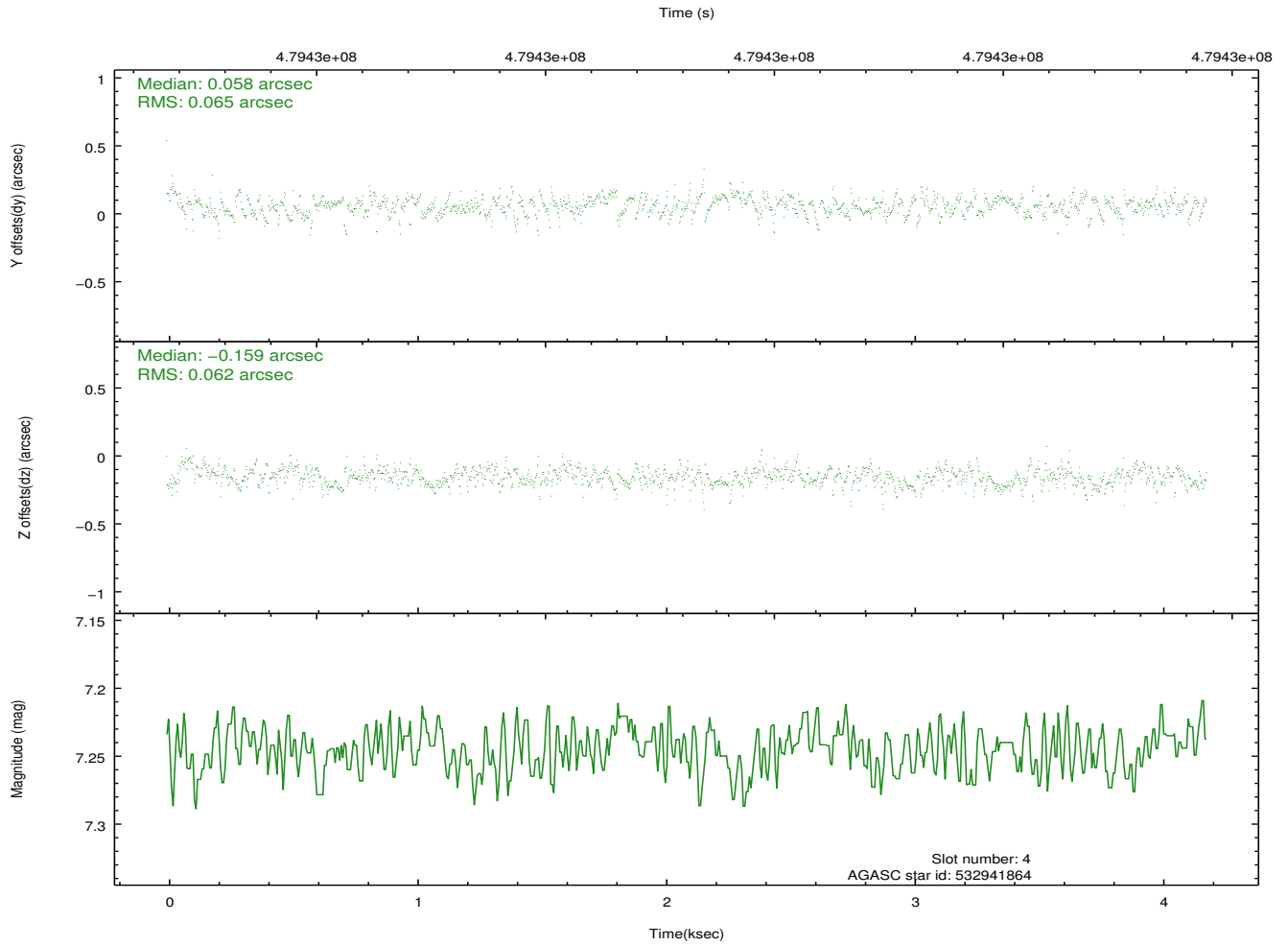
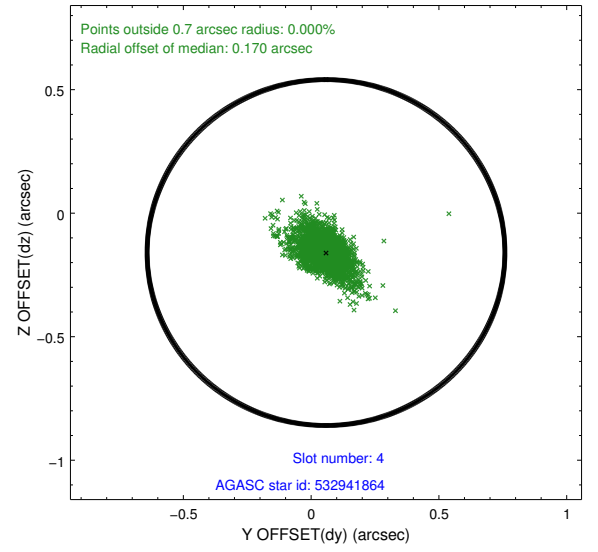
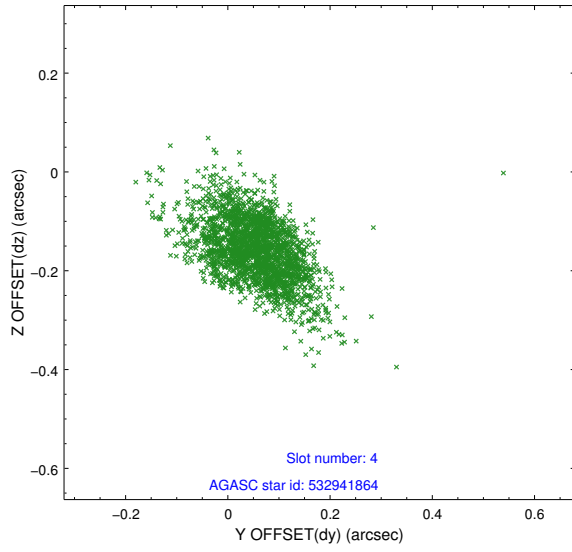
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-2	7.04	1021	0.053	-0.061	0.006	0.010	0.000000	0.000000	833.70	-1309.84
1	FID		HRC-I-3	7.08	1021	-0.217	-0.011	0.006	0.011	0.000000	0.000000	-1206.98	994.97
2	FID		HRC-I-4	7.01	1021	0.283	-0.014	0.006	0.011	0.000000	0.000000	1262.80	994.94
3	GUIDE	used	533477840	8.09	2042	0.137	0.360	0.072	0.118	51.850014	64.015923	-53.98	-636.08
4	GUIDE	used	532941864	7.24	2042	0.058	-0.159	0.091	0.163	51.645060	63.195145	2371.77	-2356.21
5	GUIDE	used	533470712	9.38	2035	0.129	-0.055	0.148	0.231	53.500160	64.448879	-207.92	2374.62
6	GUIDE	used	533468376	8.30	2041	-0.285	-0.025	0.093	0.153	53.556559	64.270829	399.94	2160.01
7	GUIDE	used	533477512	8.01	2038	-0.037	-0.117	0.085	0.141	53.660606	63.888932	1697.14	1674.23

2.4 Star Slots

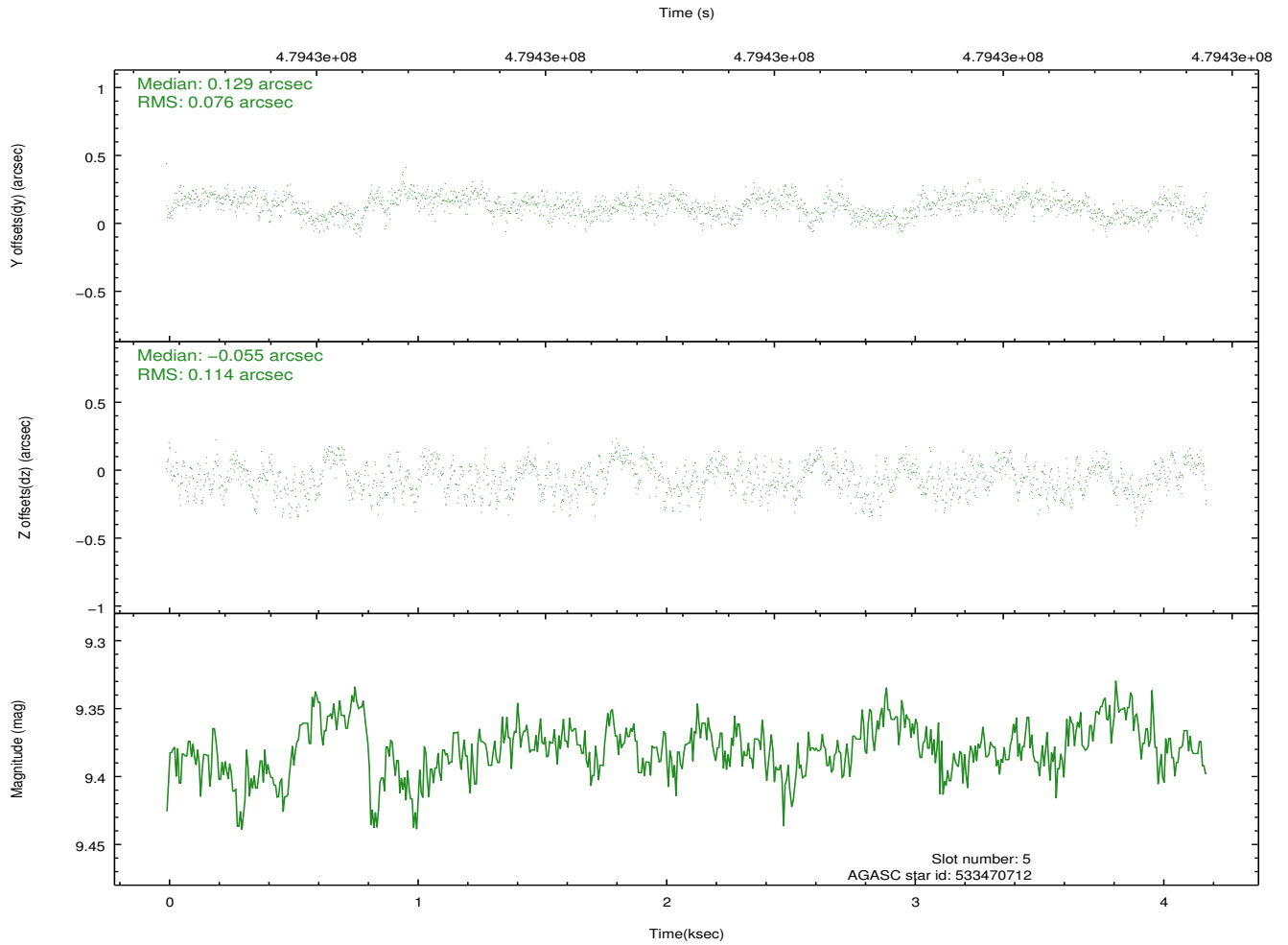
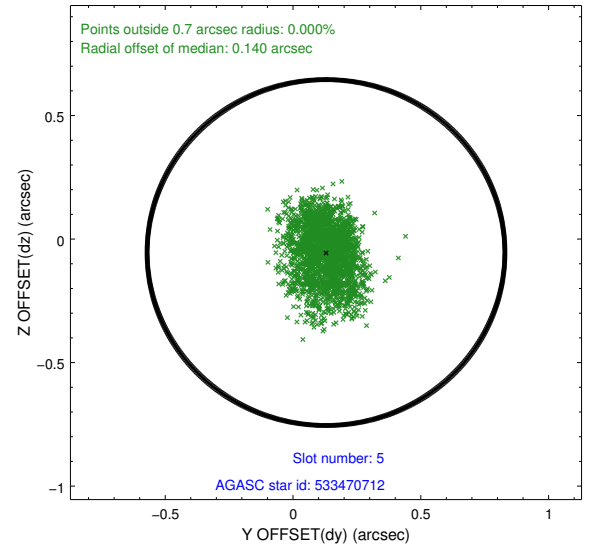
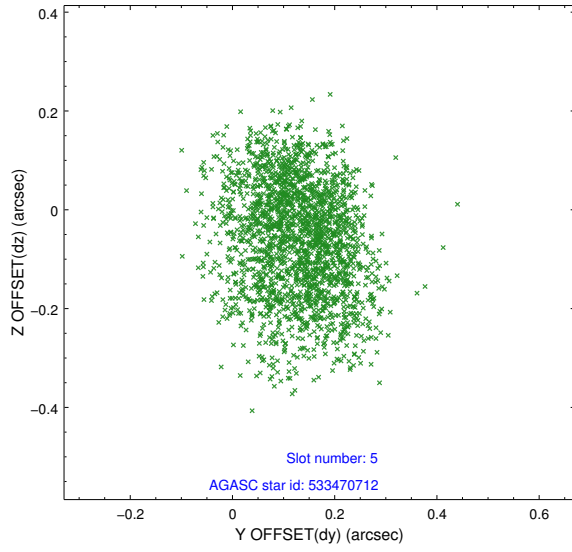
2.4.1 Slot 3



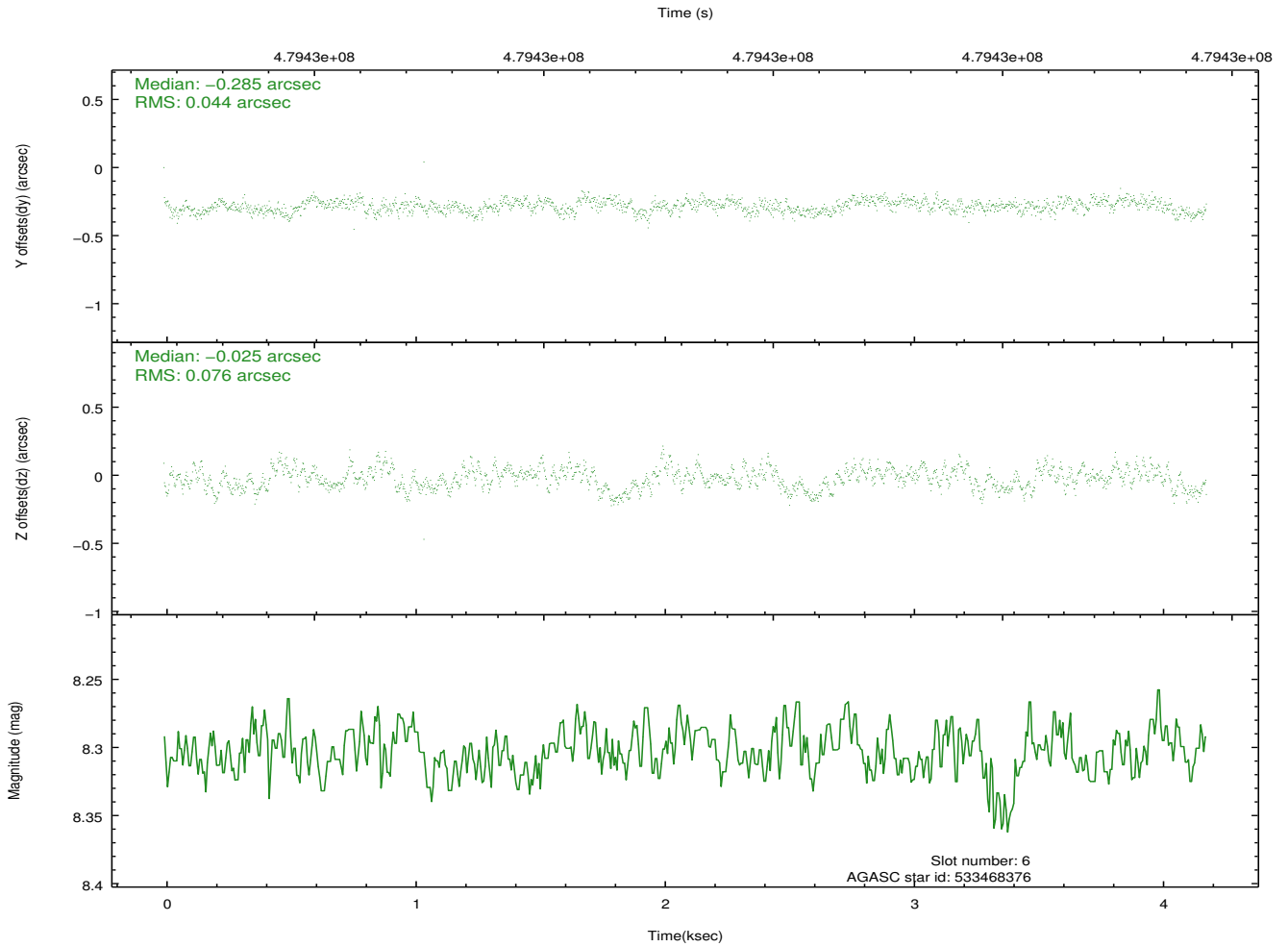
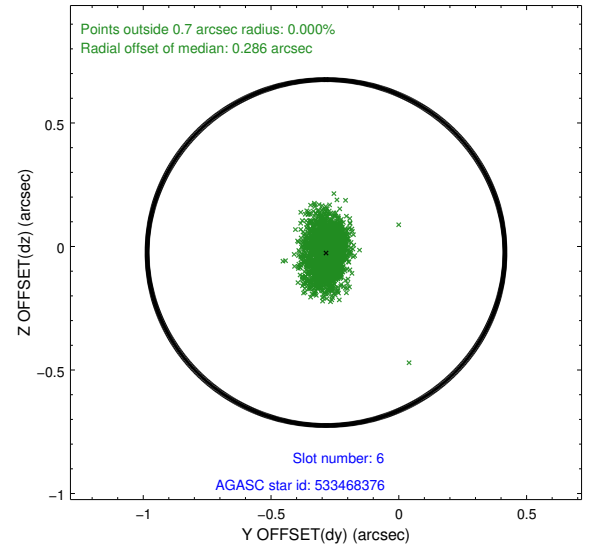
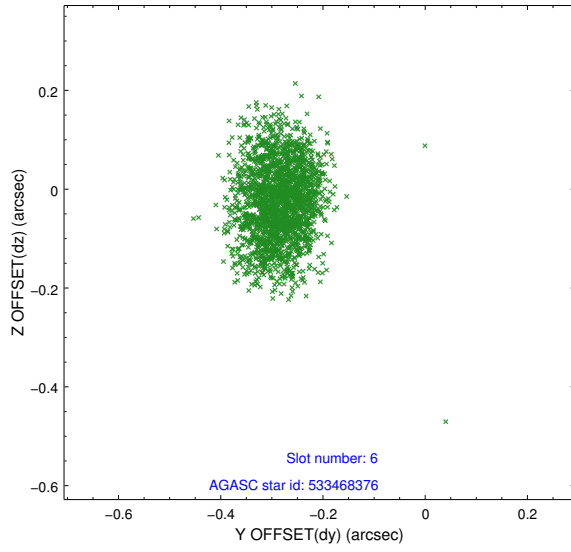
2.4.2 Slot 4



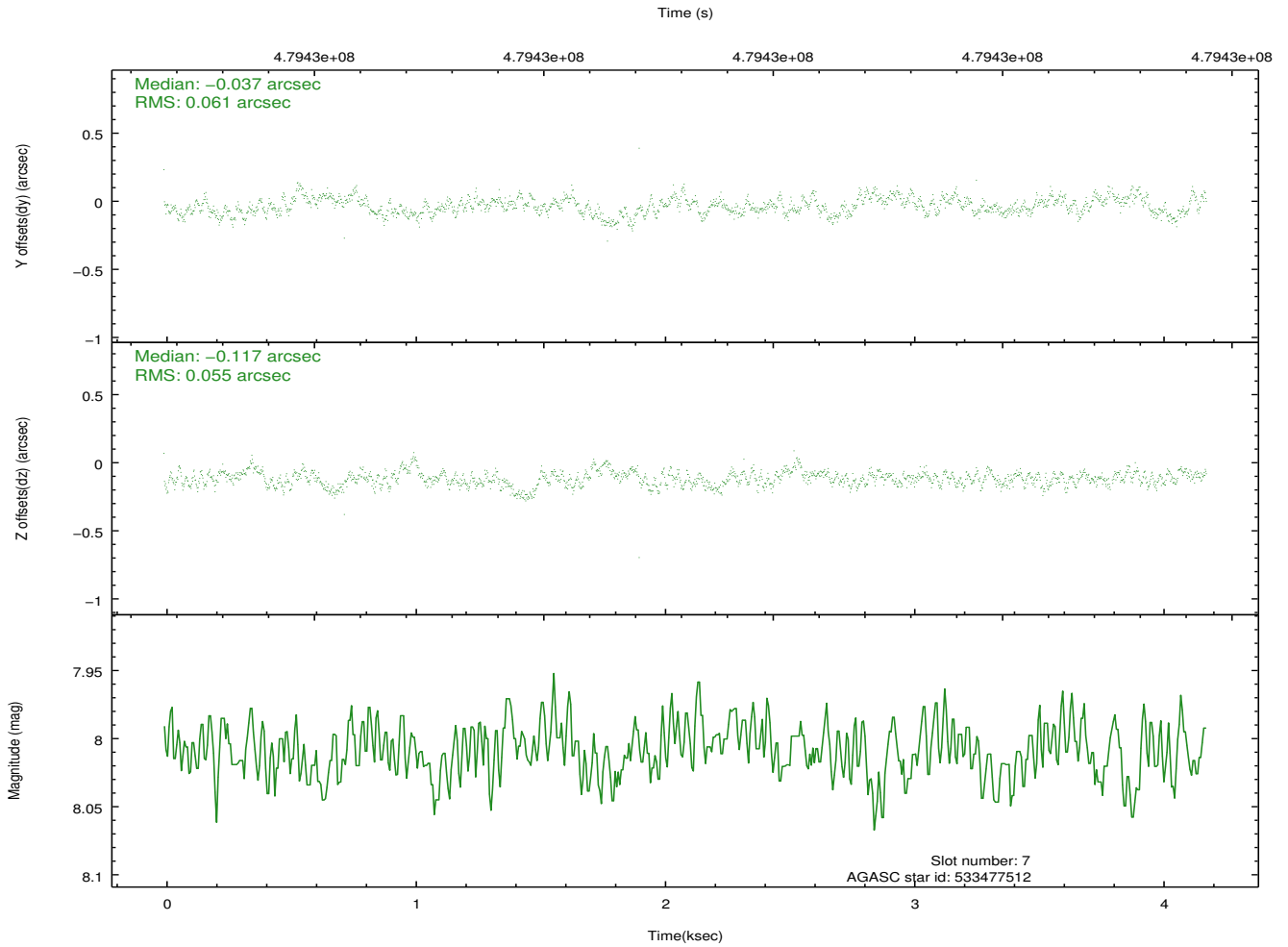
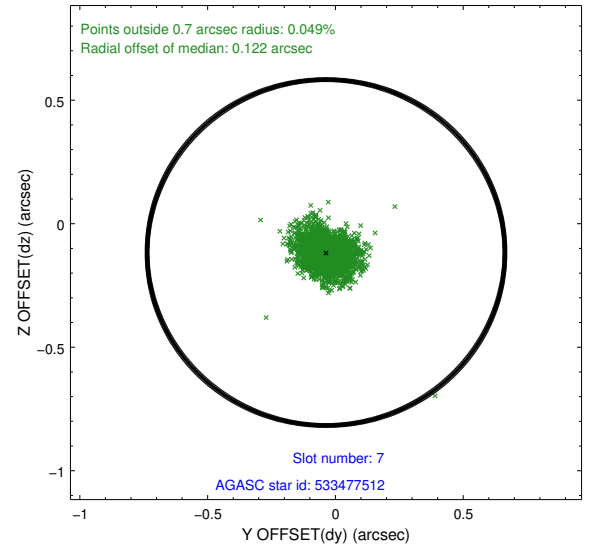
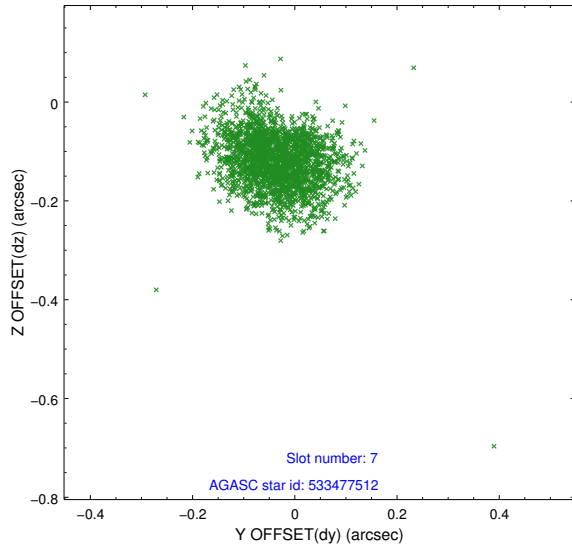
2.4.3 Slot 5



2.4.4 Slot 6

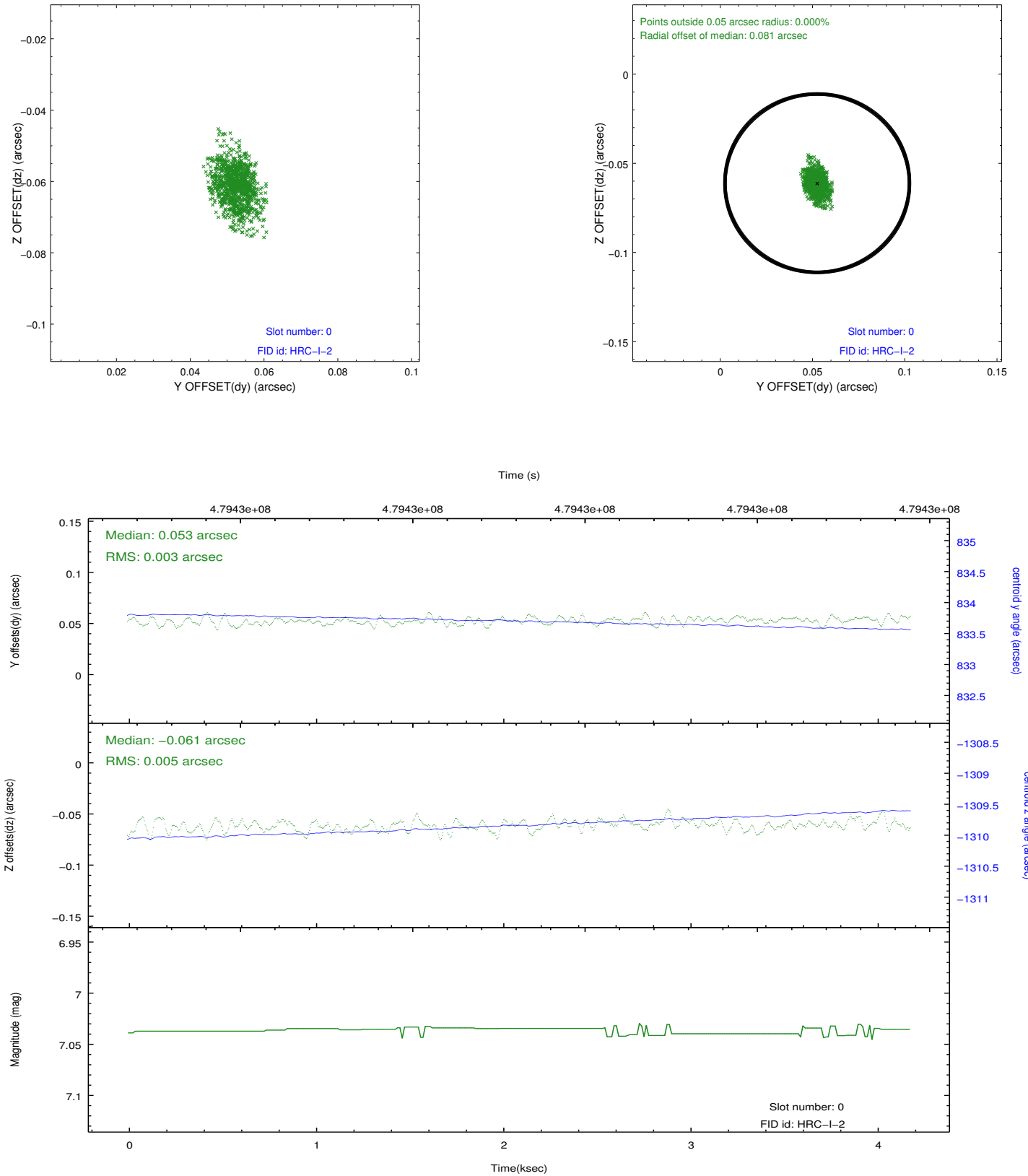


2.4.5 Slot 7

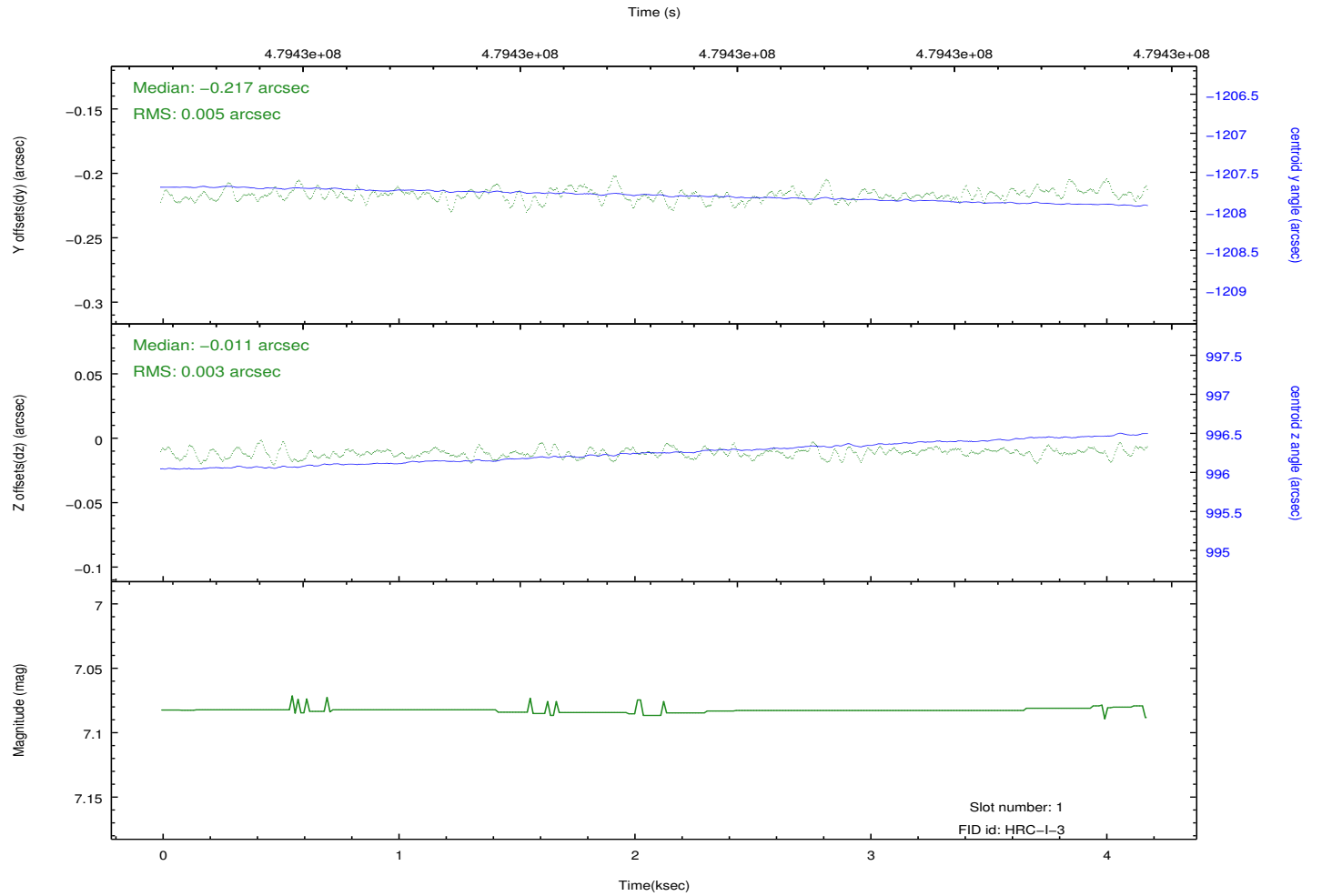
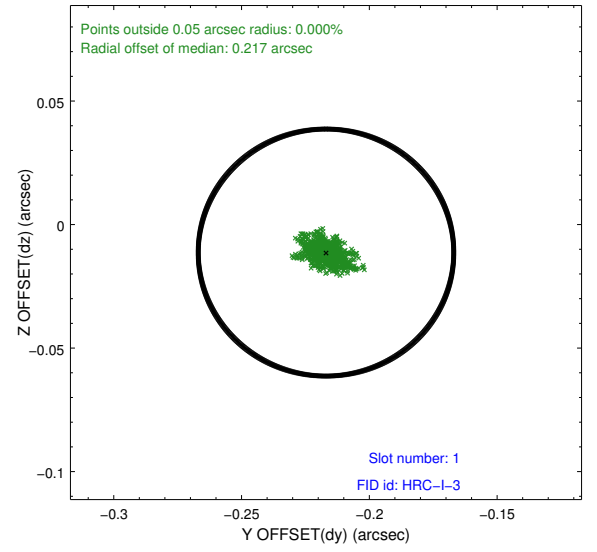
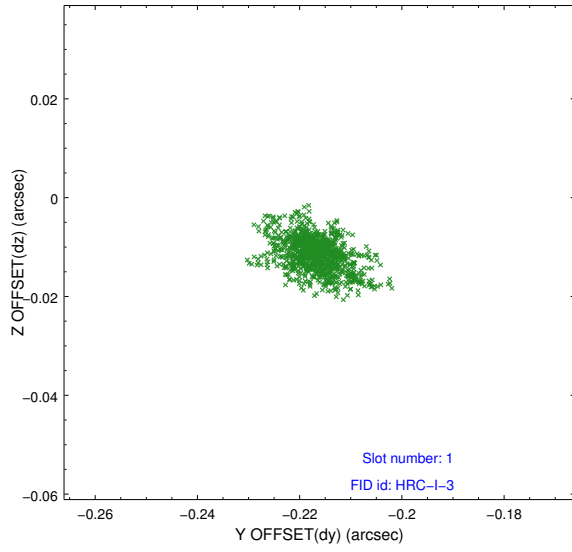


2.5 FID Slots

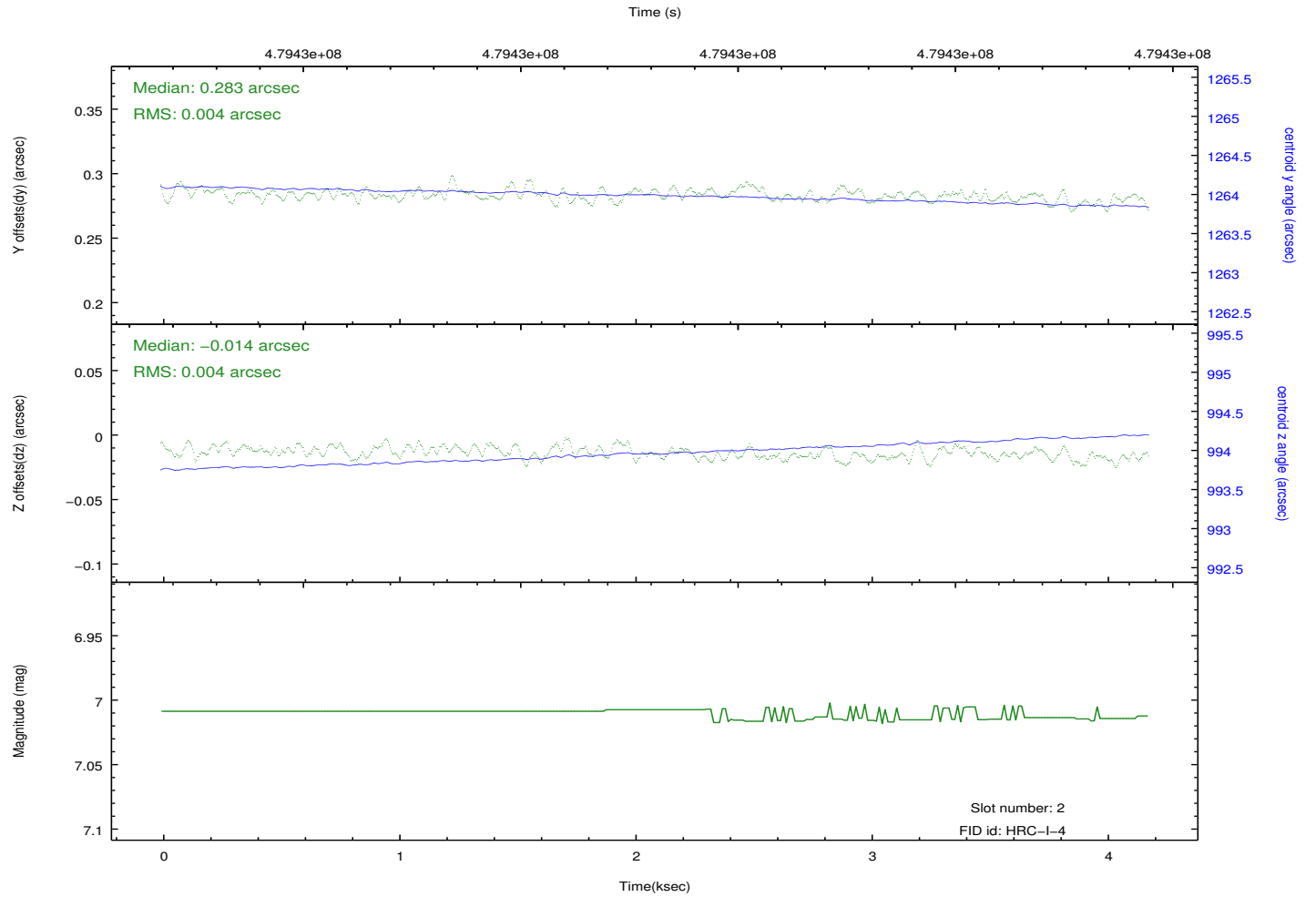
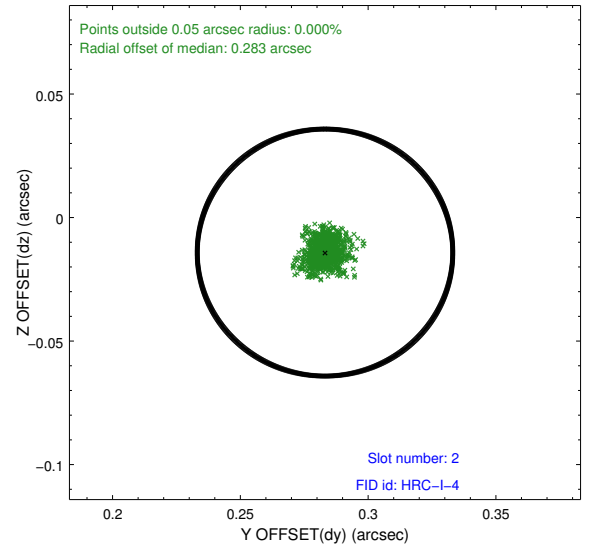
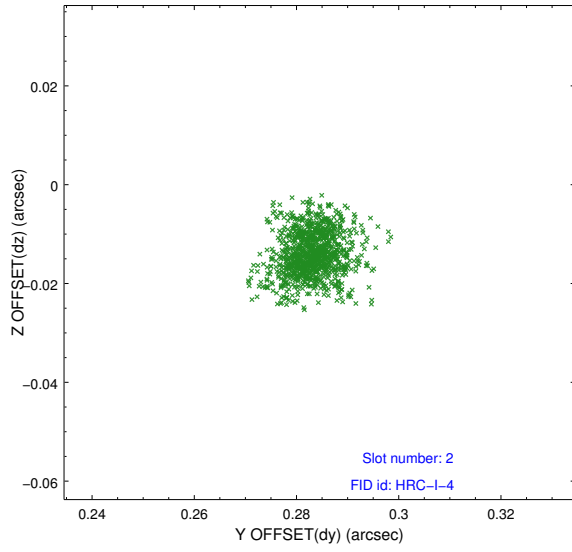
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.12.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.183281476438

A.2 Comments

These data have been reprocessed with new aspect alignment calibration files that correct small mean offsets (up to 0.4 arcsecs) and improve overall astrometric accuracy. The new calibration was determined using data from the time period being reprocessed and was performed using cross-correlation of X-ray sources with radio and optical counterparts.