

V&V Reference Report

L2 ASCDS Version : 10

Observation 14556 - L2 Version 2
Chandra X-Ray Center

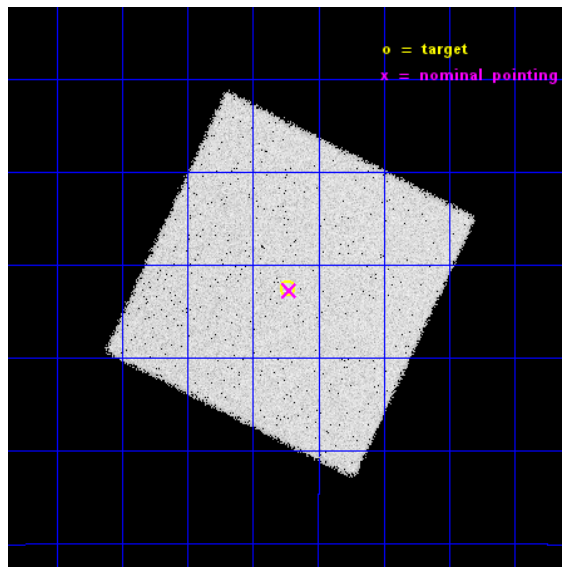
L2 Processing Date : Dec 4 2014

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1 Front

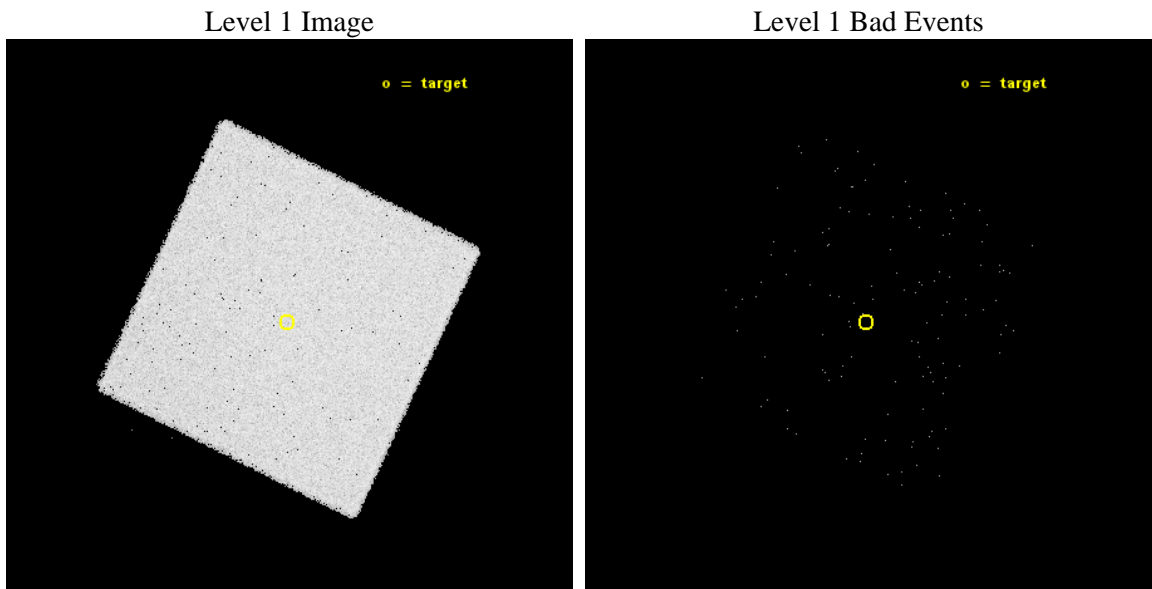
seq_num	200857	Sequence number
obs_id	14556	Observation id
title	Search for X-ray emission from a sample of luminous O-type subdwarfs	
observer	Mr. Nicola La Palombara	Principal investigator
object	LS IV -12 1	Source name
ra_targ	245.933333	Observer's specified target RA [deg]
dec_targ	-12.209333	Observer's specified target Dec [deg]
ra_nom	245.9302148675	Nominal RA [deg]
dec_nom	-12.212661712922	Nominal Dec [deg]
roll_nom	250.89702048483	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4183.2814772725	[s]
livetime	4153.1583523586	Ontime multiplied by DTCOR
l2events	228296	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	4183.2814772725	[s]
caldbver	4.6.4	 	l1events	380916	Number of level 1 events
date	2014-12-04T09:50:09	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

Level 1 Events

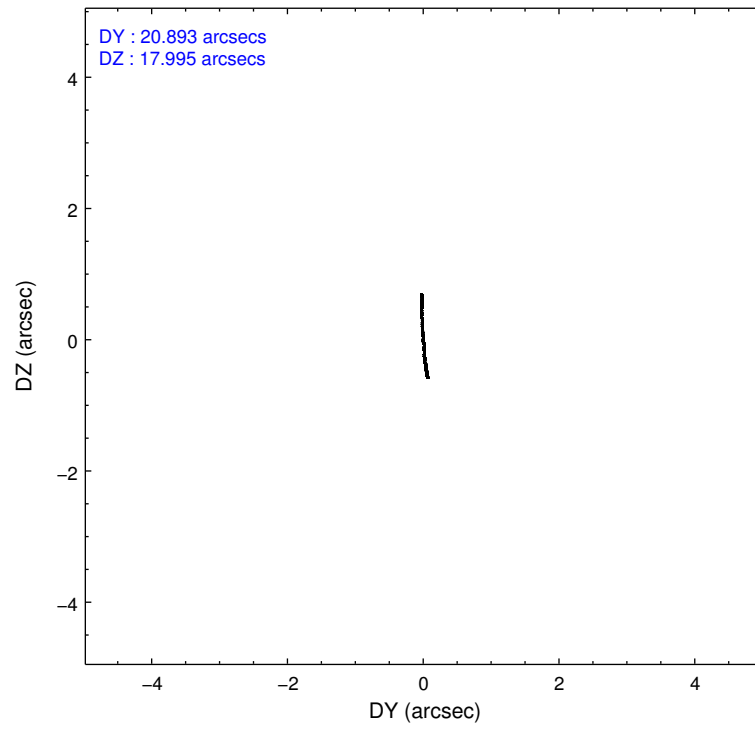
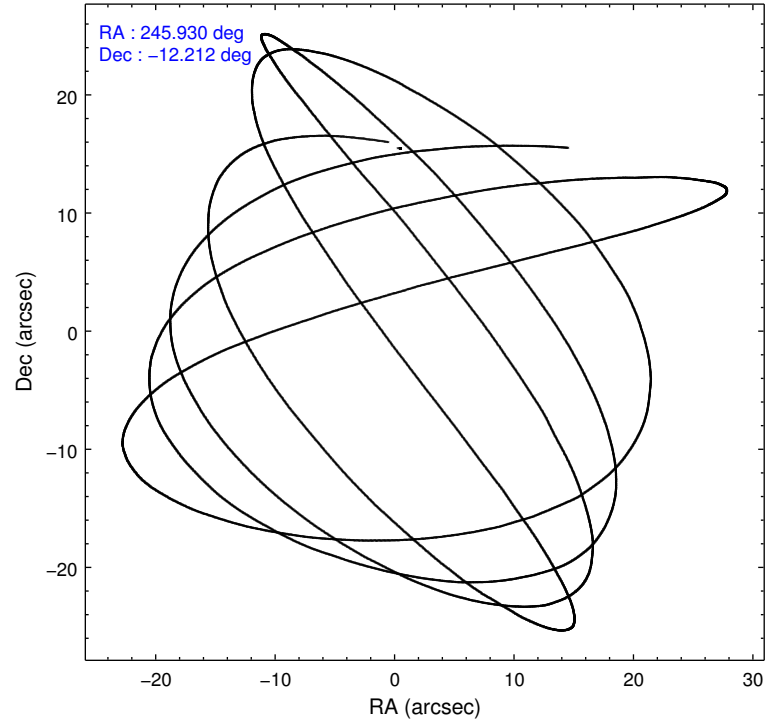
	segment 0
level 1 events	380916
rejected events	70491
rejected %	18%

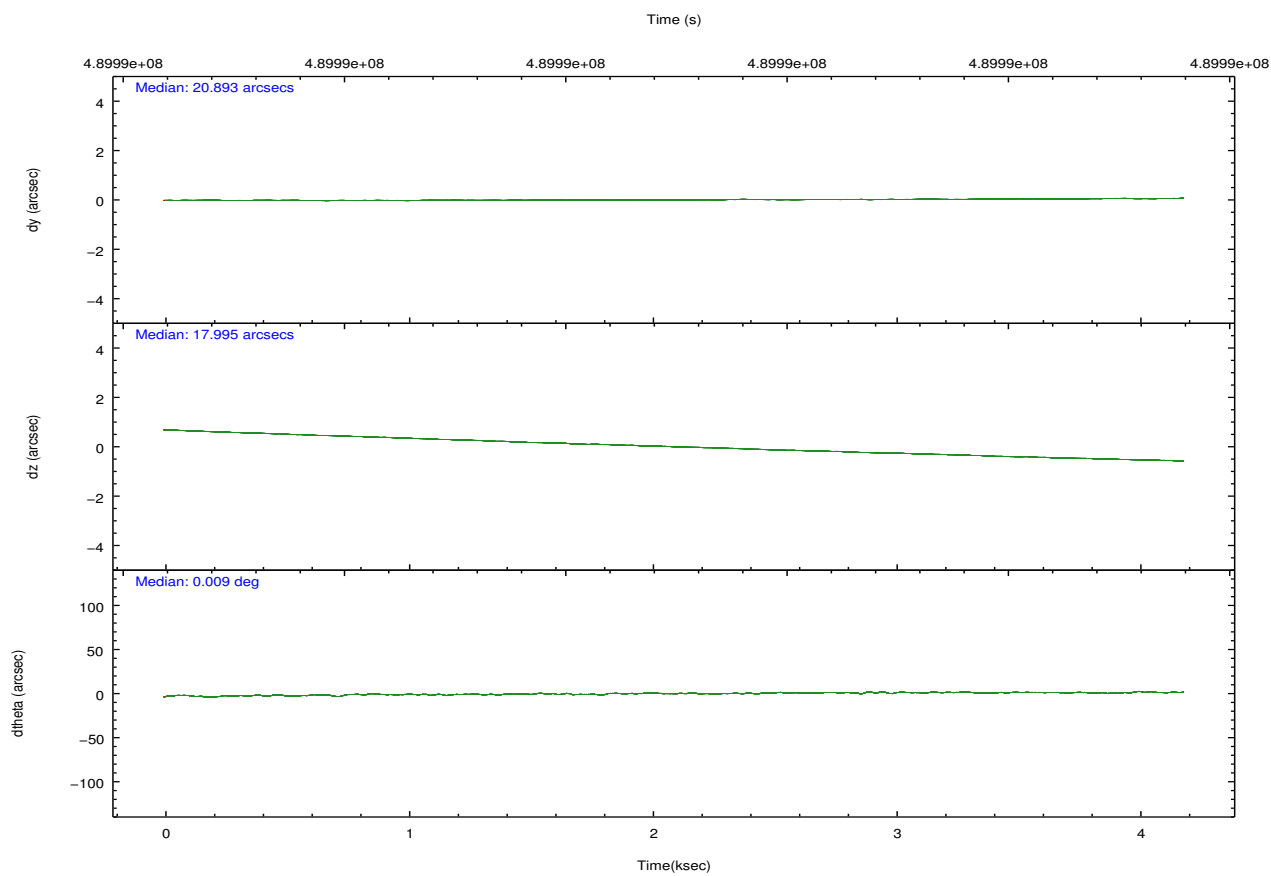
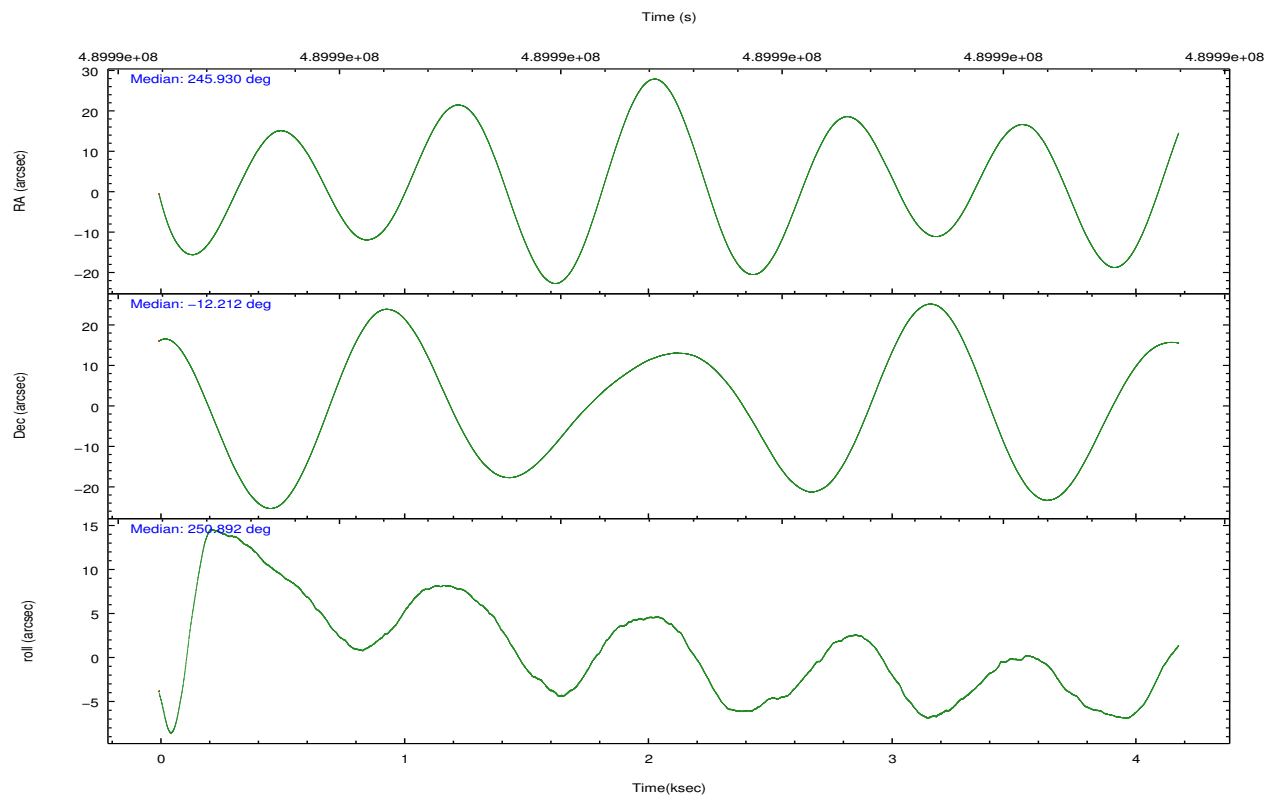
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	245.924624	245.9302148674954
[deg] Pointing Dec	-12.185953	-12.21266171292196
[deg] Pointing Roll	250.991336	250.8970204848269
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	489989584.184000	489988491.42752
Observation start date	2013-07-12T04:11:57	2013-07-12T03:54:51
[s] Observation end time (MET)	489993584.184000	489994044.36533
Observation end date	2013-07-12T05:18:37	2013-07-12T05:27:24

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



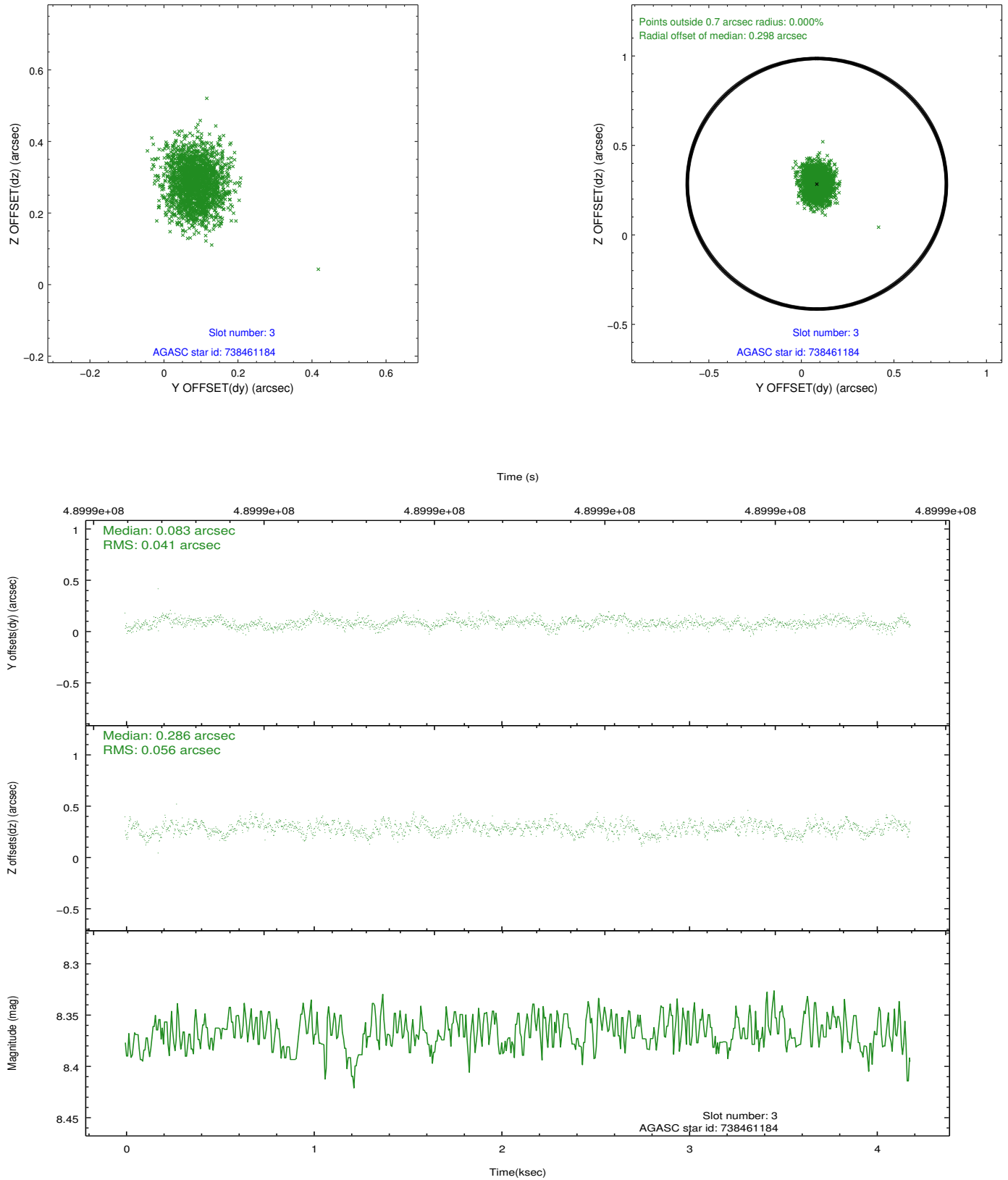


Slot Statistics

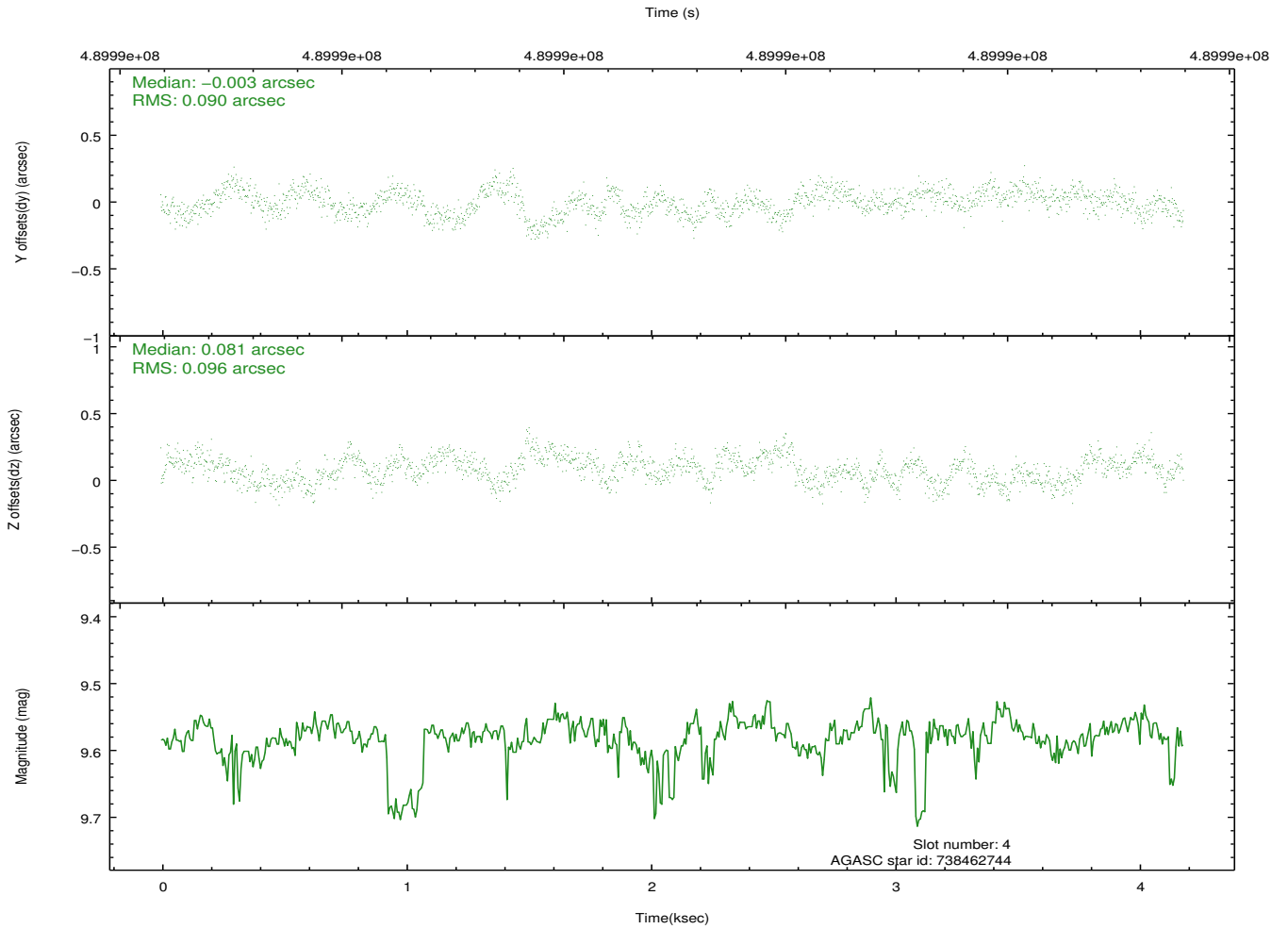
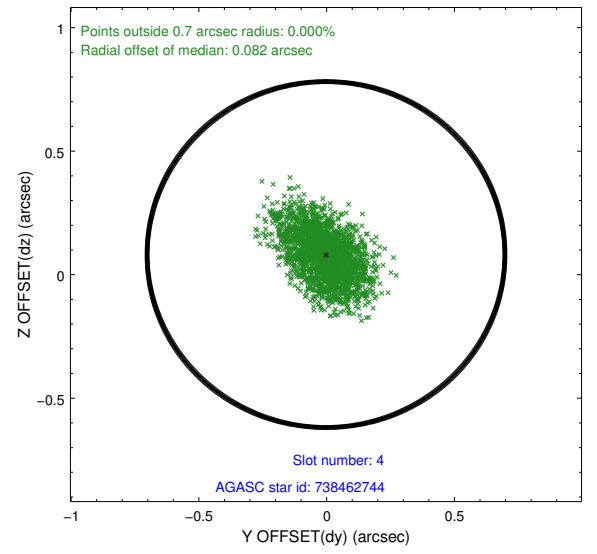
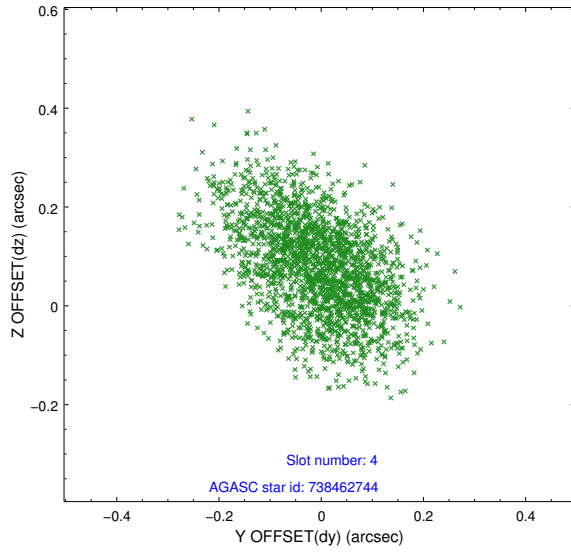
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.04	1021	-0.090	0.032	0.010	0.017	0.000000	0.000000	-776.96	-1306.20
1	FID		HRC-I-2	7.07	1021	0.246	-0.133	0.014	0.026	0.000000	0.000000	835.25	-1309.22
2	FID		HRC-I-3	7.12	1021	-0.039	0.009	0.016	0.026	0.000000	0.000000	-1204.56	997.06
3	GUIDE	used	738461184	8.37	2041	0.083	0.286	0.074	0.121	245.532138	-11.446863	-2063.68	-2174.60
4	GUIDE	used	738462744	9.58	2033	-0.003	0.081	0.140	0.232	245.708090	-12.469877	1213.33	-386.45
5	GUIDE	used	738465464	9.14	2035	-0.072	-0.113	0.113	0.189	245.435700	-12.569983	1868.60	-1172.60
6	GUIDE	used	738469800	7.74	2042	0.207	-0.112	0.098	0.168	246.049886	-11.897780	-1123.59	79.60
7	GUIDE	used	738471000	9.33	2027	-0.226	-0.139	0.135	0.221	246.495777	-12.198847	-609.72	1916.68

2.4 Star Slots

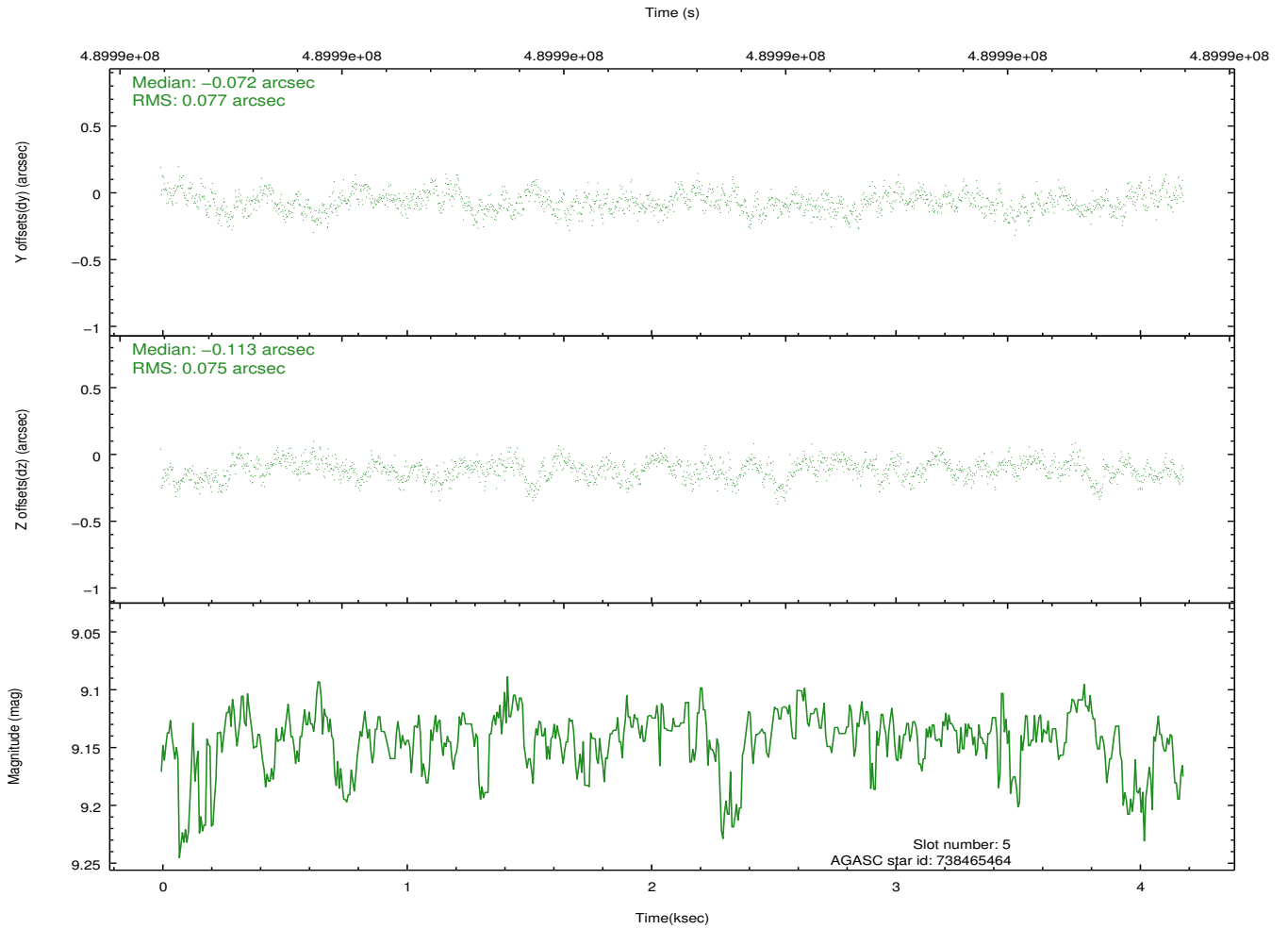
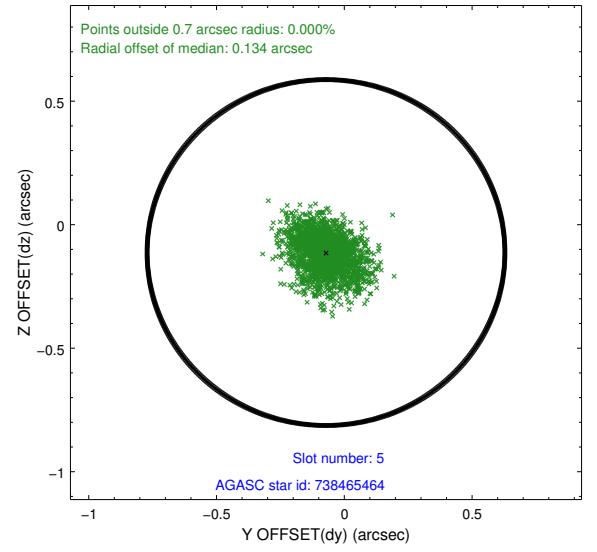
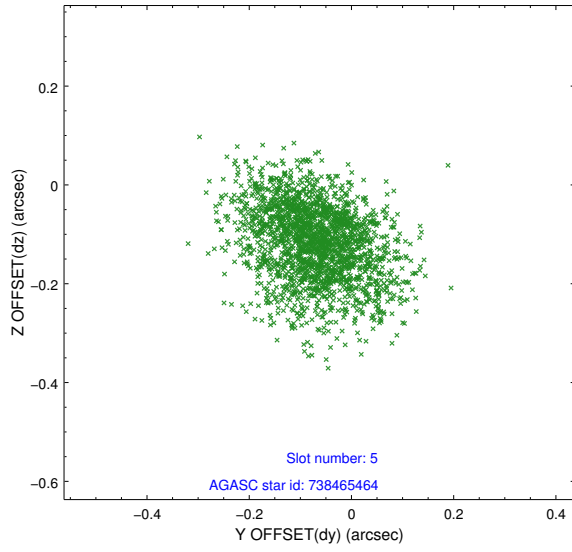
2.4.1 Slot 3



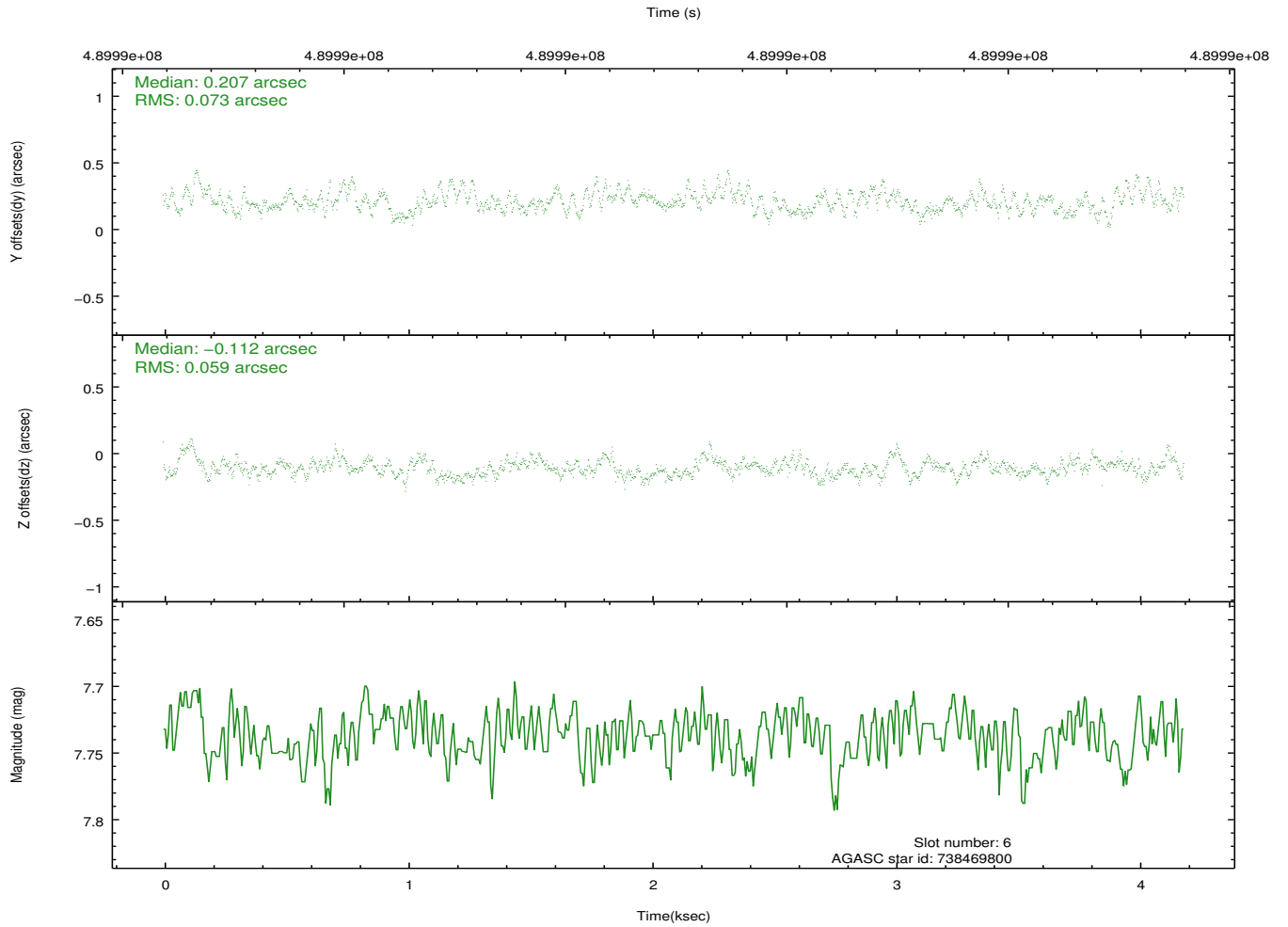
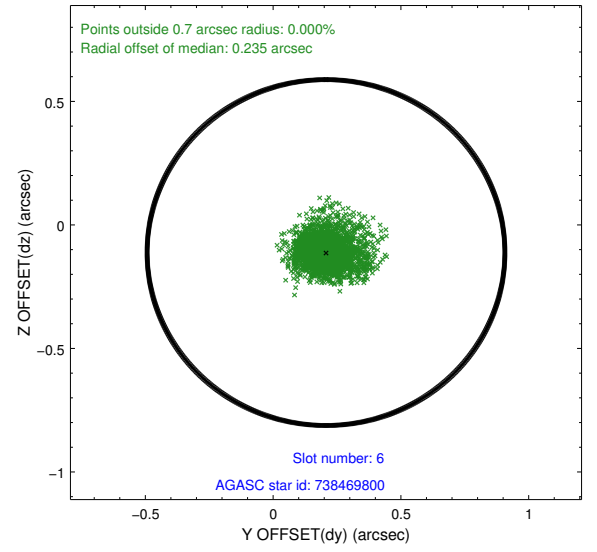
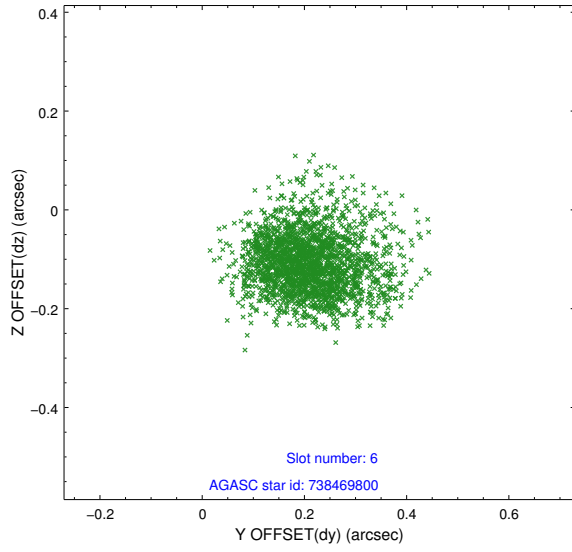
2.4.2 Slot 4



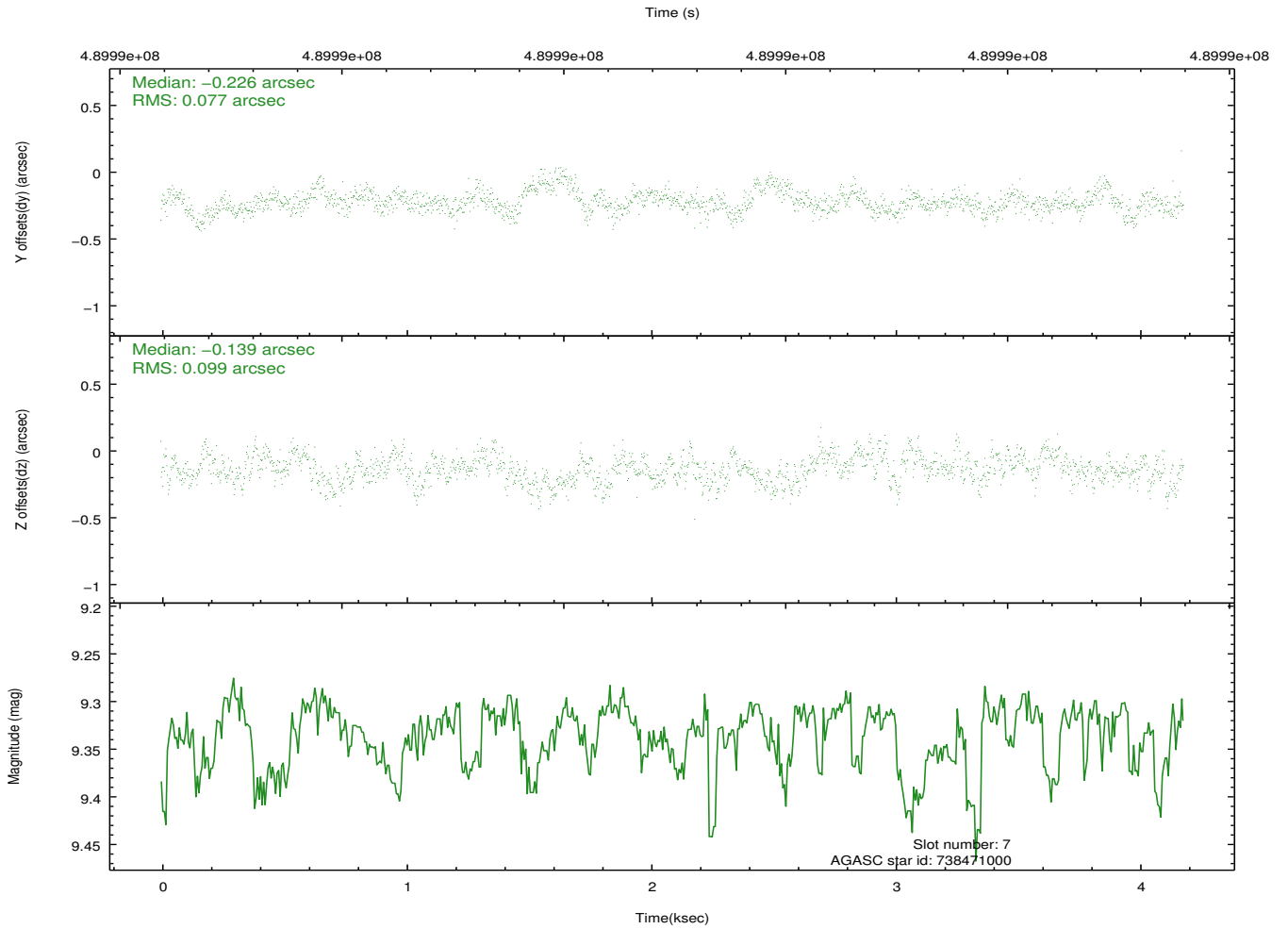
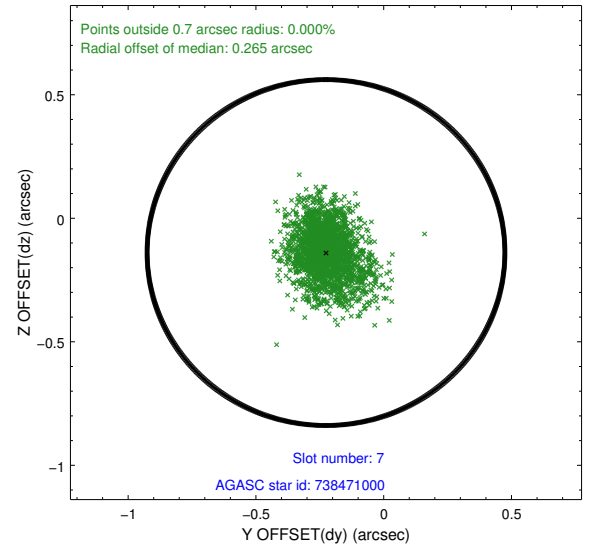
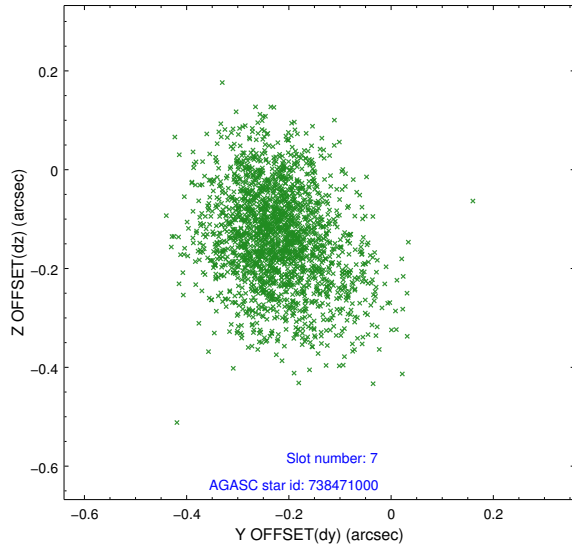
2.4.3 Slot 5



2.4.4 Slot 6

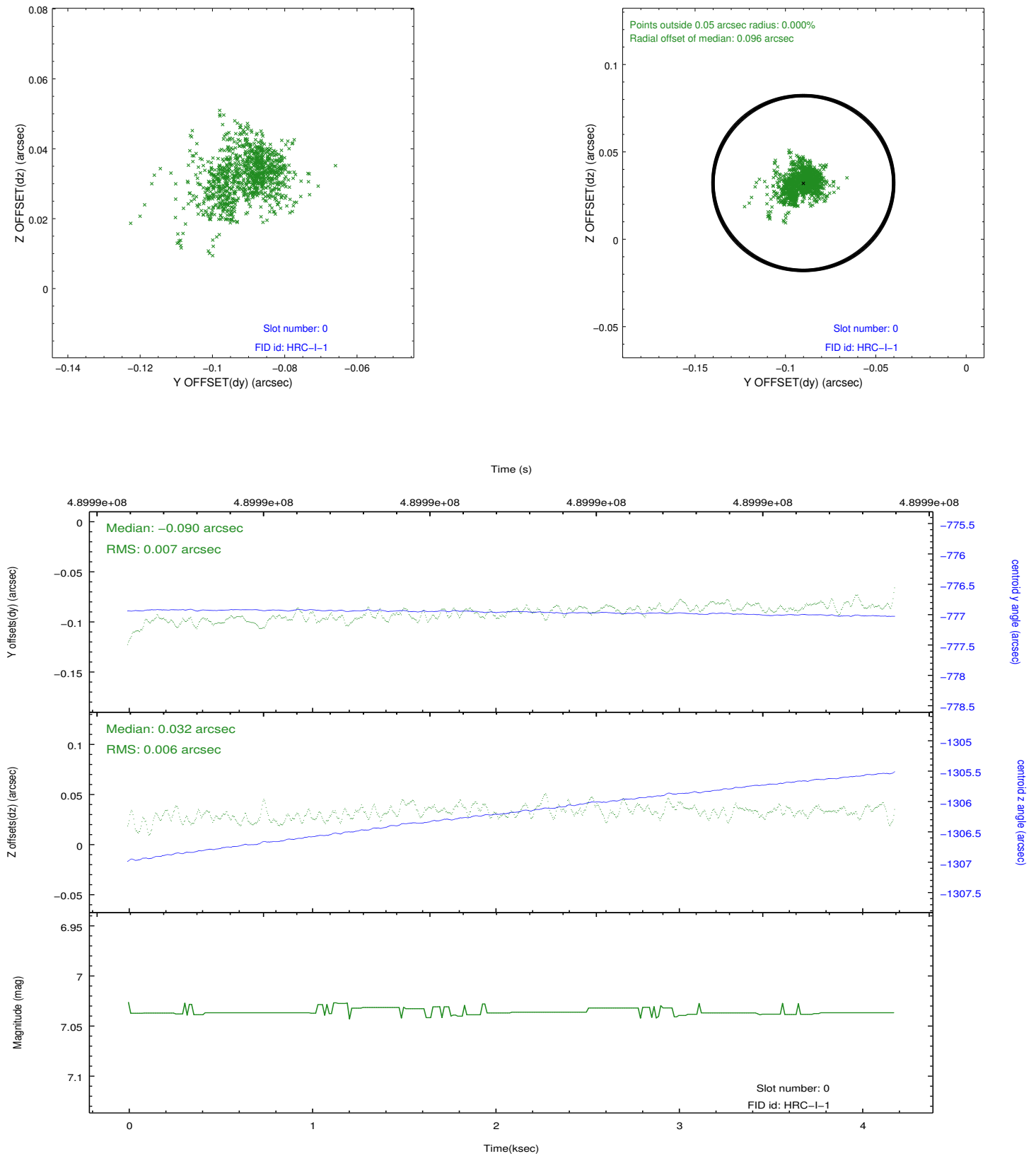


2.4.5 Slot 7

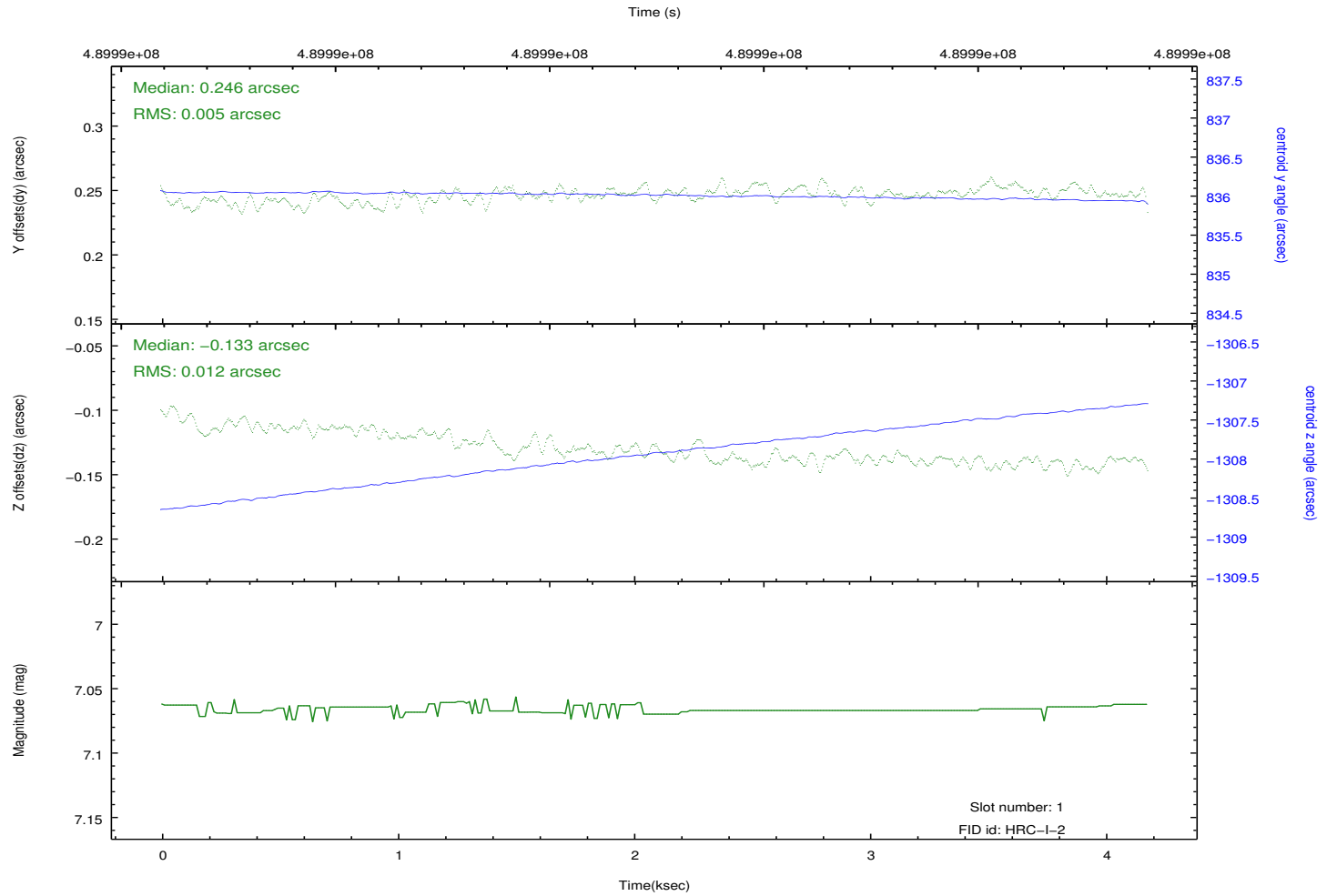
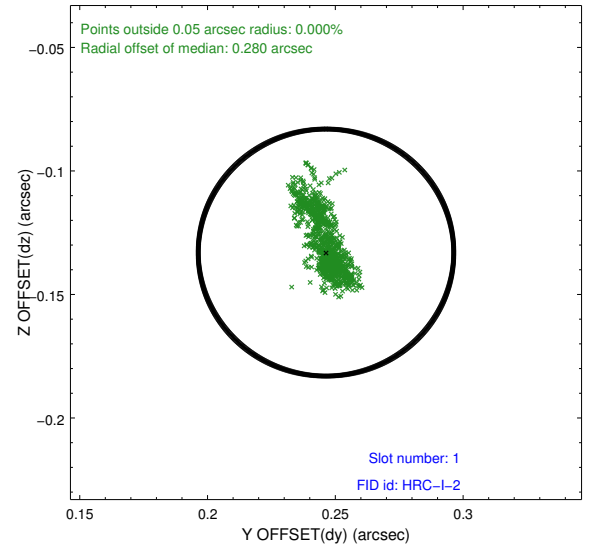
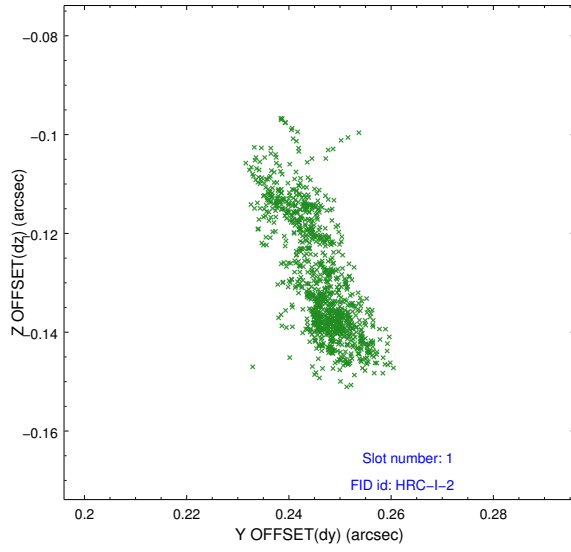


2.5 FID Slots

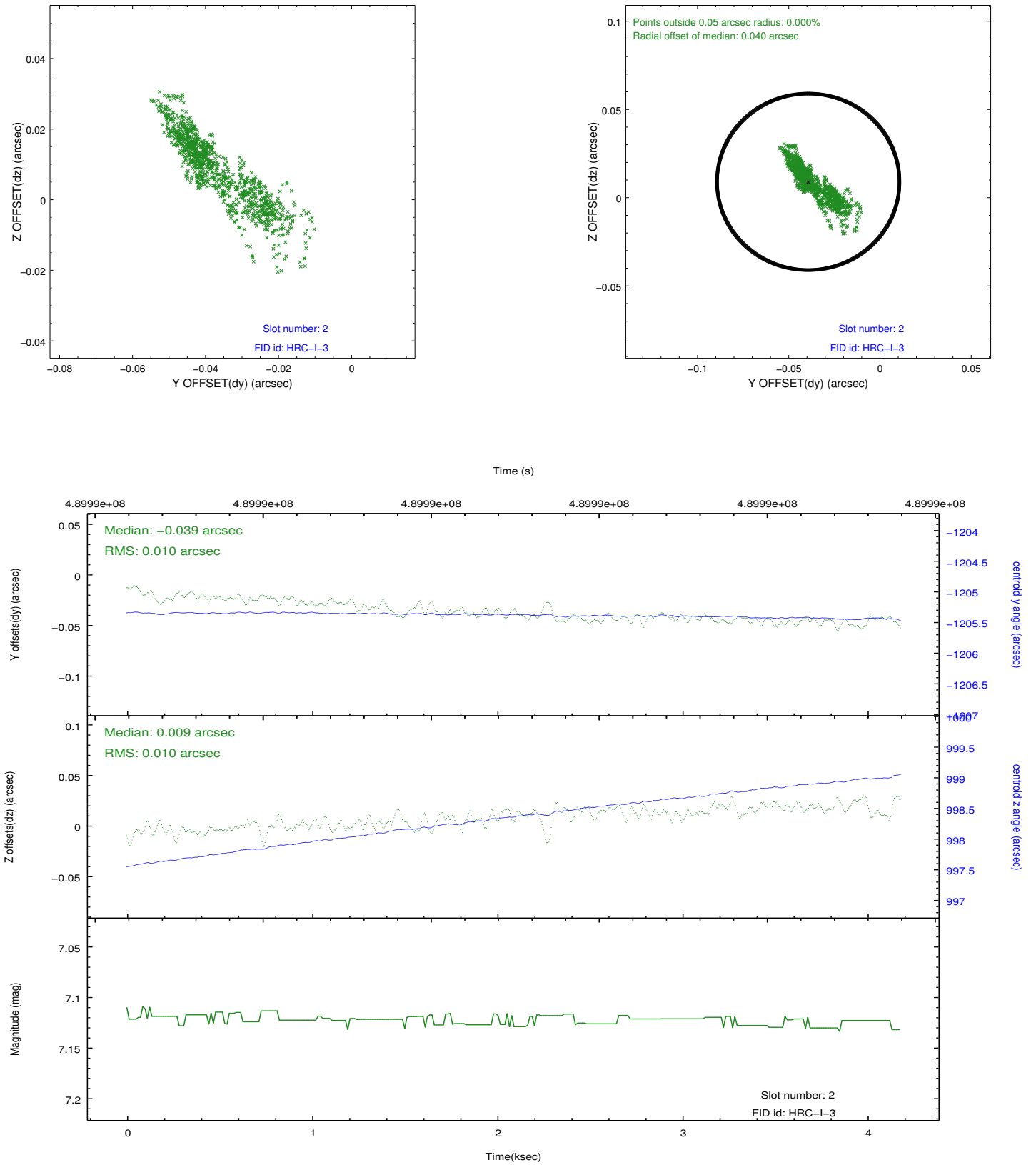
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.12.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.1832814772725

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.