

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2643 - L2 Version 3
Chandra X-Ray Center

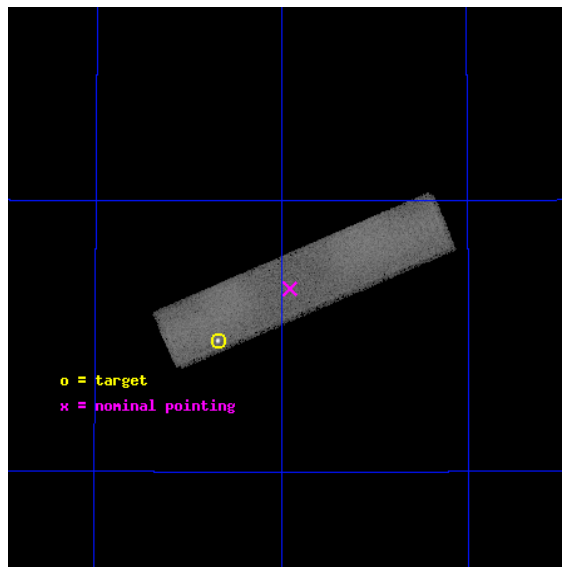
L2 Processing Date : Oct 1 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

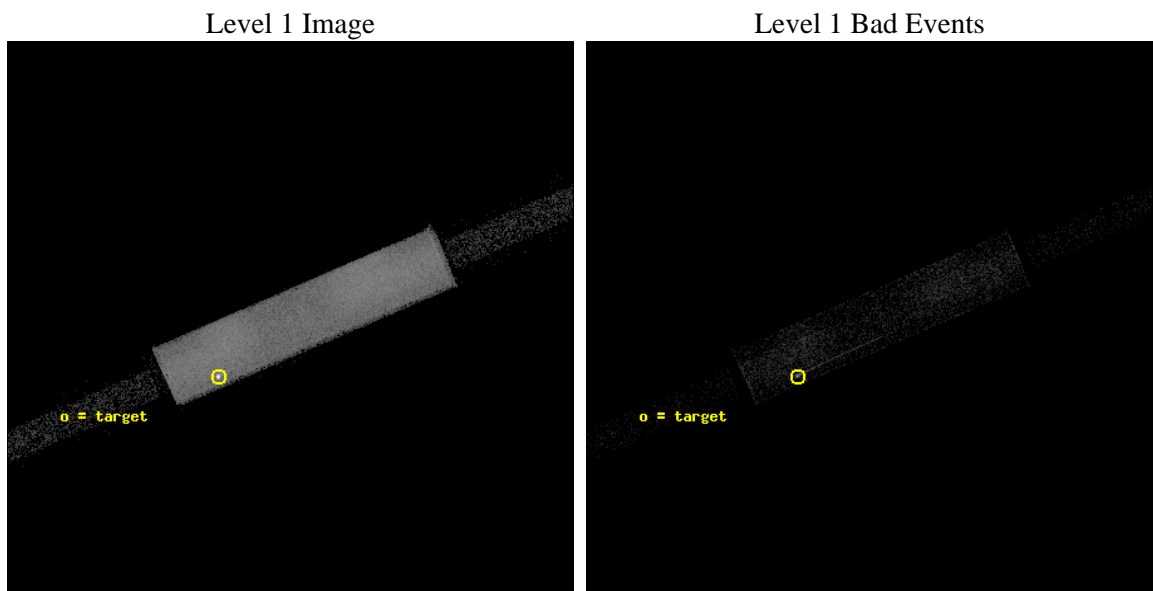
seq_num	290199	Sequence number
obs_id	2643	Observation id
title	AO3A HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.97705650287	Nominal RA [deg]
dec_nom	45.838056156148	Nominal Dec [deg]
roll_nom	336.68208879211	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062960178	[s]
livetime	1128.0946720329	Ontime multiplied by DTCOR
l2events	102316	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1142.1062960178	[s]
caldsver	4.5.2	 	l1events	158512	Number of level 1 events
date	2012-10-01T03:03:59	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

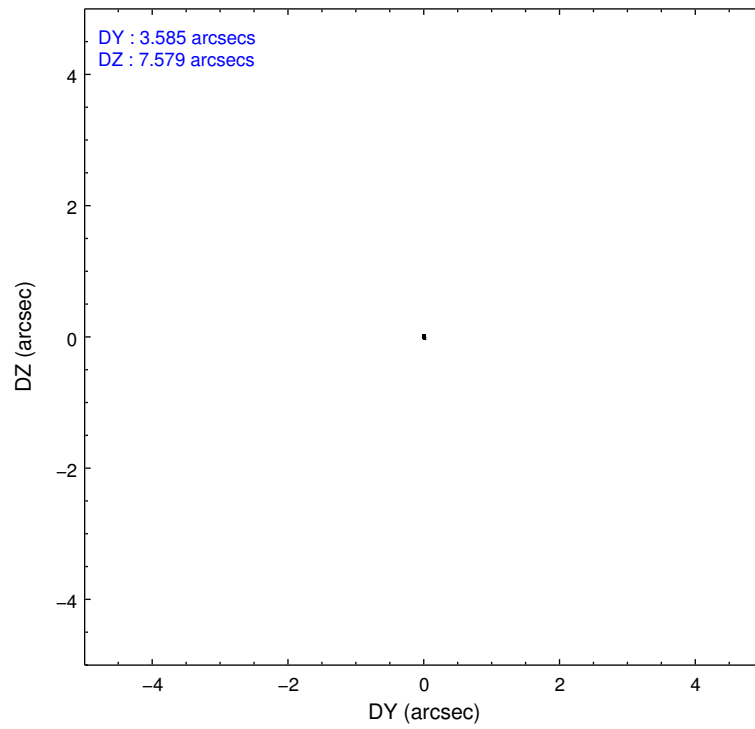
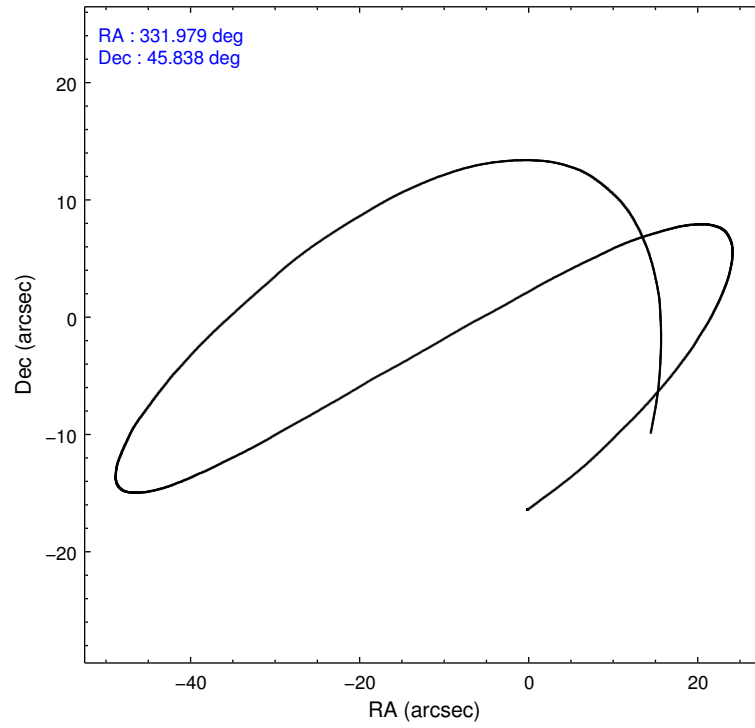
Level 1 Events

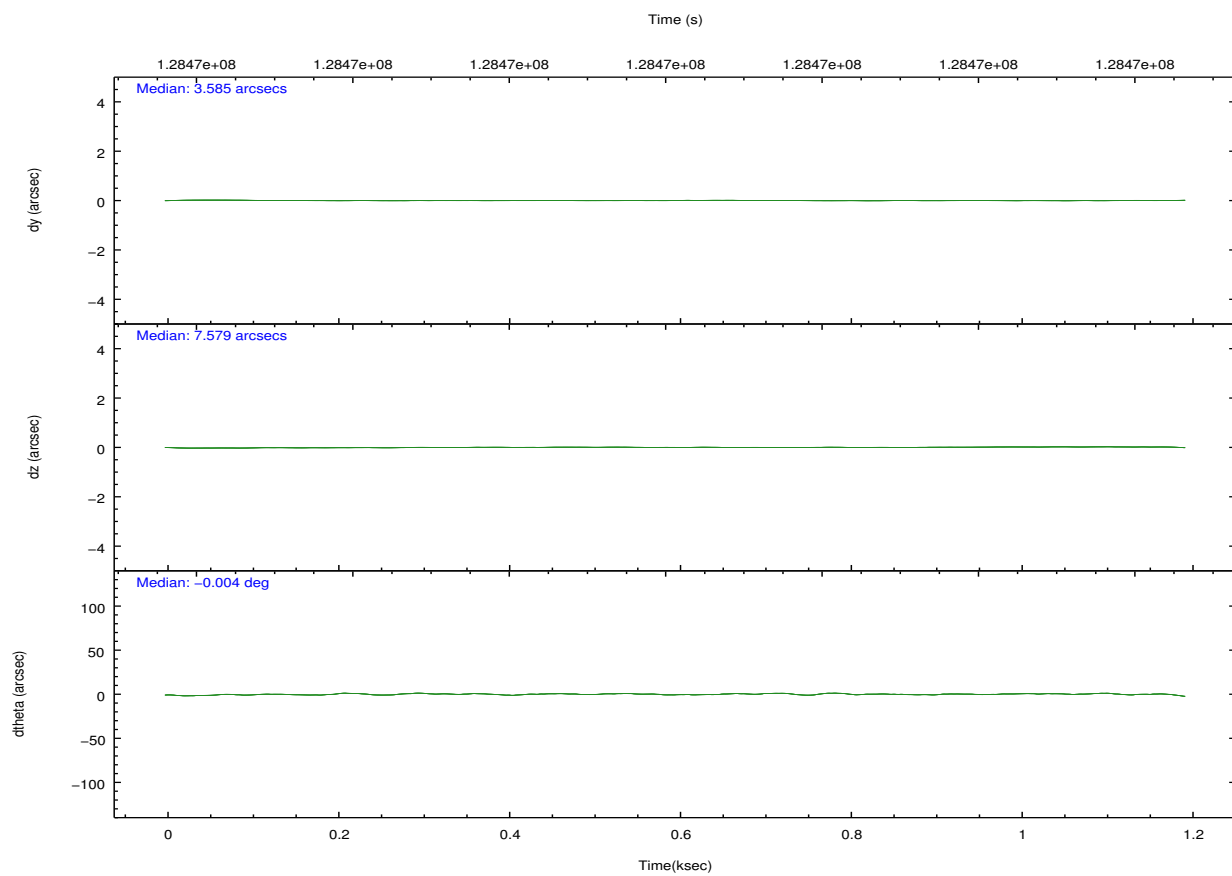
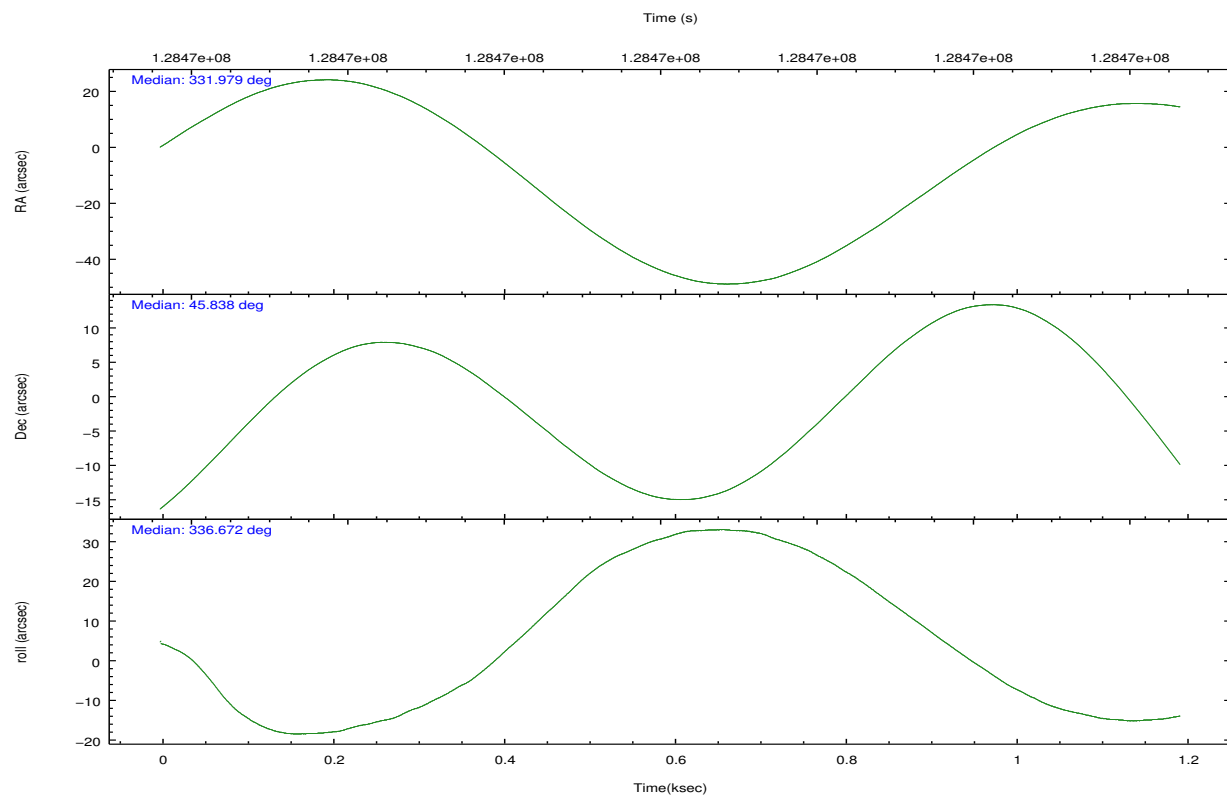
	segment 1	segment 2	segment 3
level 1 events	3700	151730	3082
rejected events	3700	39028	3082
rejected %	100%	25%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	331.935358	331.977056502867			
[deg] Pointing Dec	45.832508	45.83805615614826			
[deg] Pointing Roll	336.644640	336.6820887921091			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	128469207.184000	128468831.11439			
Observation start date	2002-01-26T21:52:23	2002-01-26T21:47:11			
[s] Observation end time (MET)	128470207.184000	128470341.45195			
Observation end date	2002-01-26T22:09:03	2002-01-26T22:12:21			

2.3 Aspect



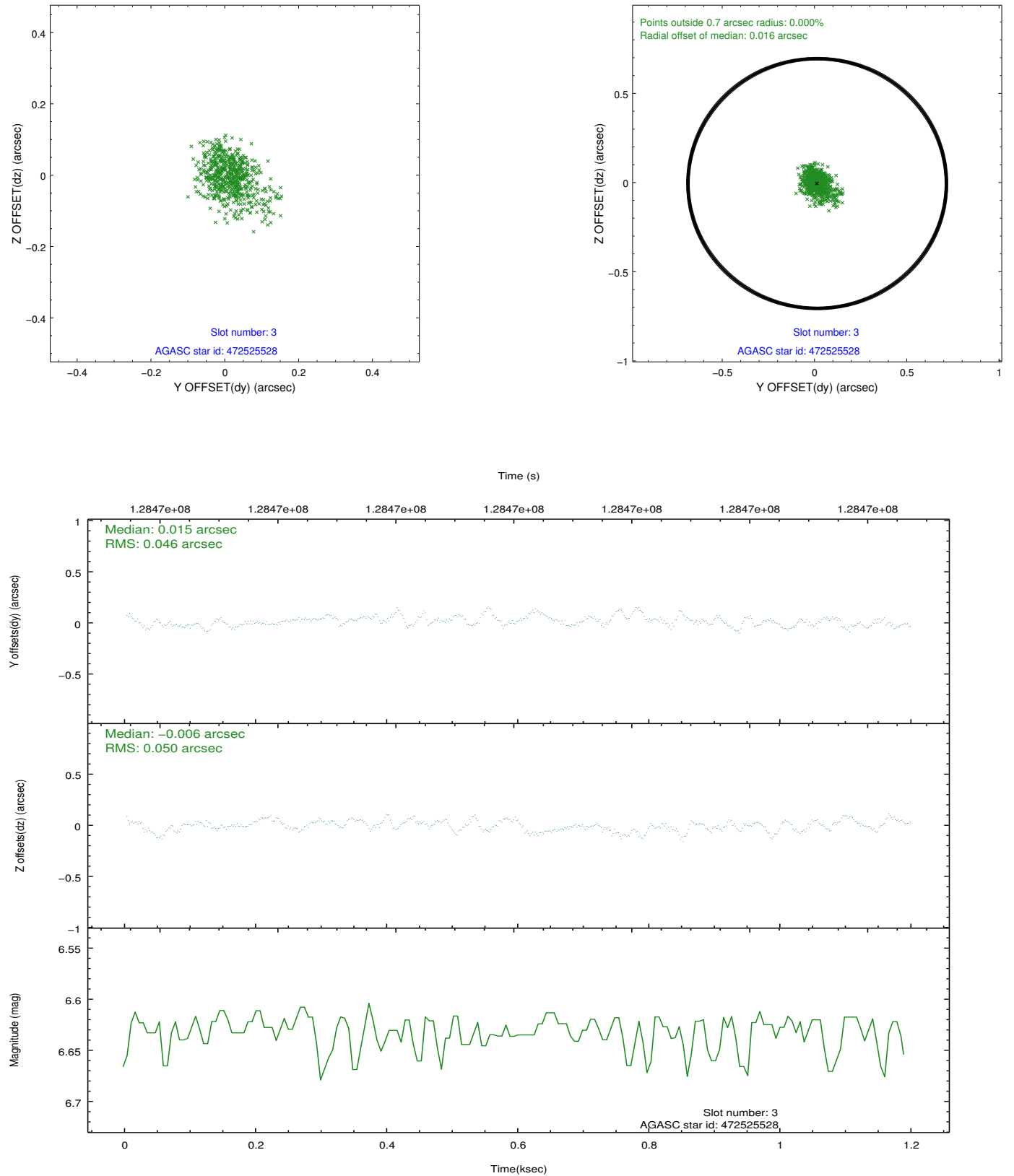


Slot Statistics

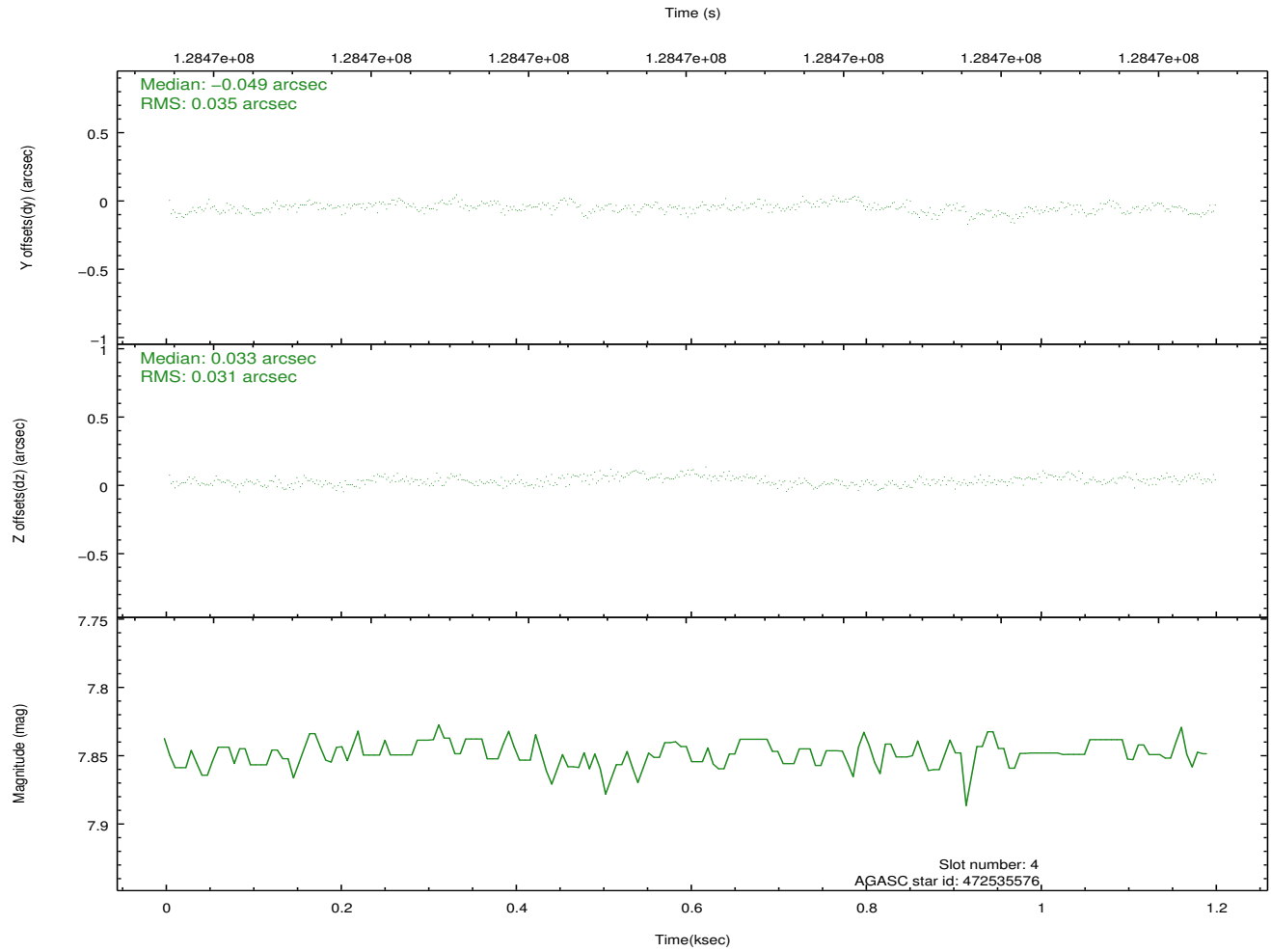
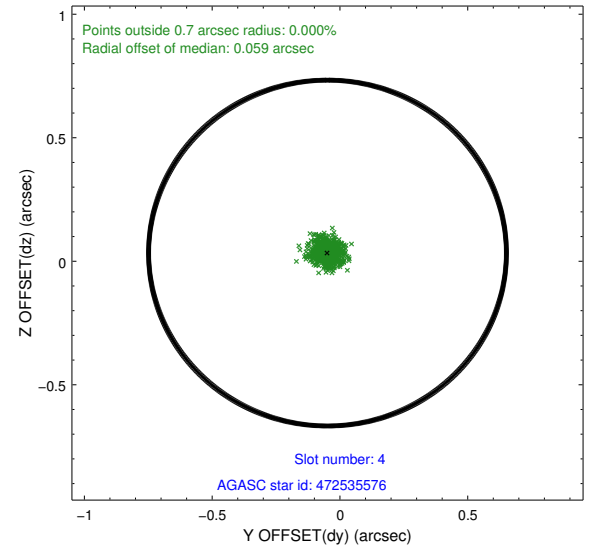
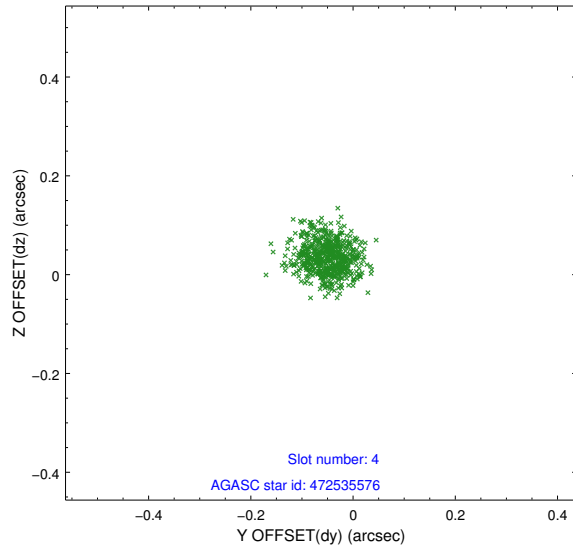
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	292	0.157	-0.082	0.007	0.012	0.000000	0.000000	-1157.61	-456.12
1	FID	HRC-S-2	6.99	292	0.074	-0.088	0.005	0.009	0.000000	0.000000	1238.02	-450.30
2	FID	HRC-S-3	7.01	292	0.160	-0.132	0.007	0.014	0.000000	0.000000	-1156.10	571.82
3	GUIDE	472525528	6.63	584	0.015	-0.006	0.070	0.123	331.551102	45.248694	-63.35	-2317.88
4	GUIDE	472535576	7.85	584	-0.049	0.033	0.050	0.079	331.438373	46.291802	-1794.18	1022.85
5	GUIDE	472536328	8.12	584	-0.003	0.065	0.063	0.107	331.496671	46.454831	-1893.42	1625.41
6	GUIDE	472665256	9.02	584	-0.037	-0.034	0.088	0.137	332.808125	46.195041	1469.15	2069.90
7	GUIDE	472654568	9.44	582	0.072	-0.060	0.104	0.174	332.194449	45.063576	1702.99	-2279.88

2.4 Star Slots

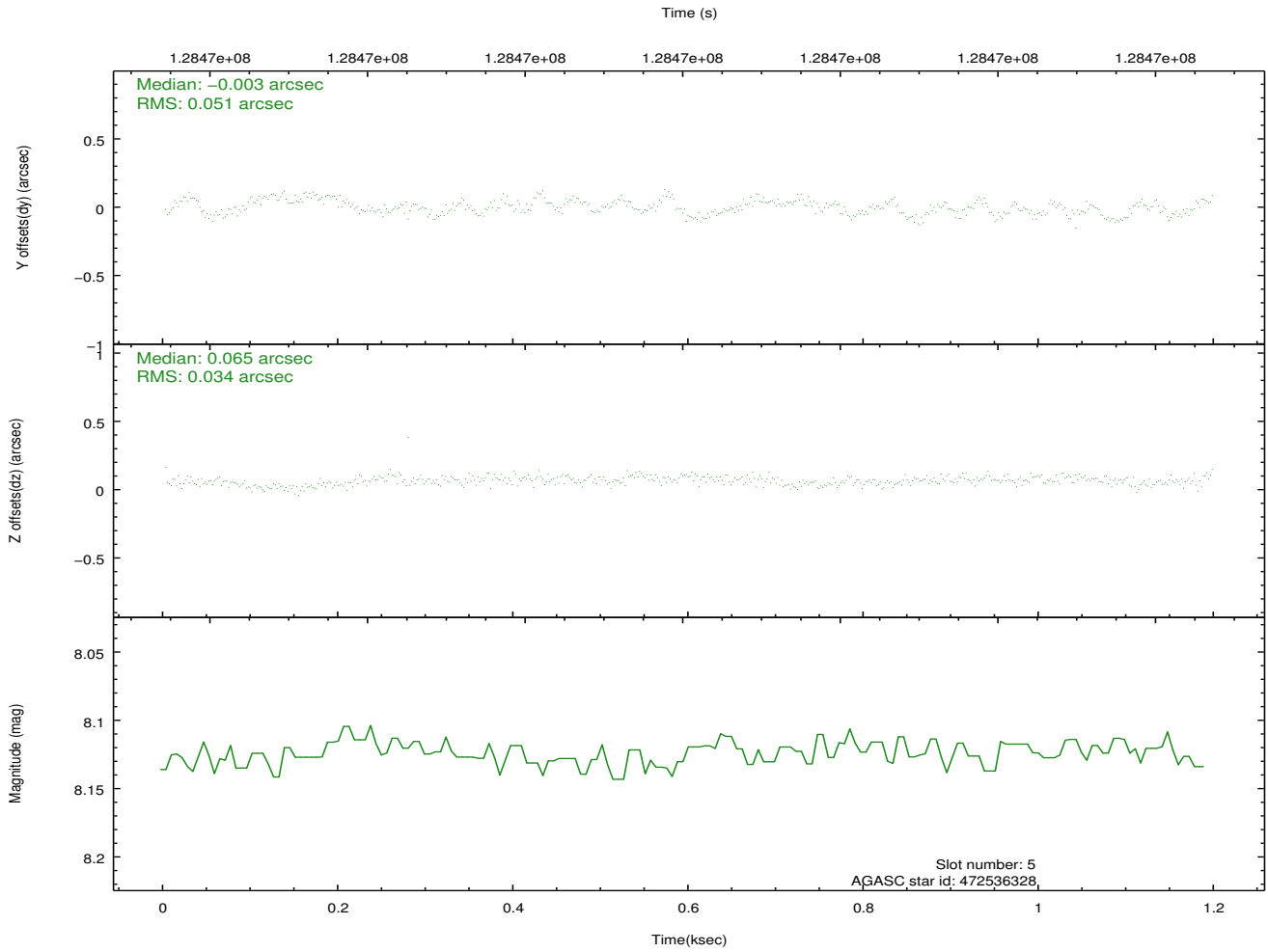
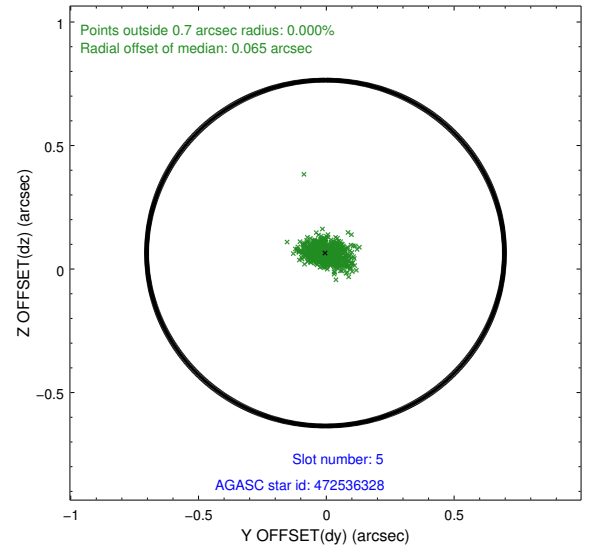
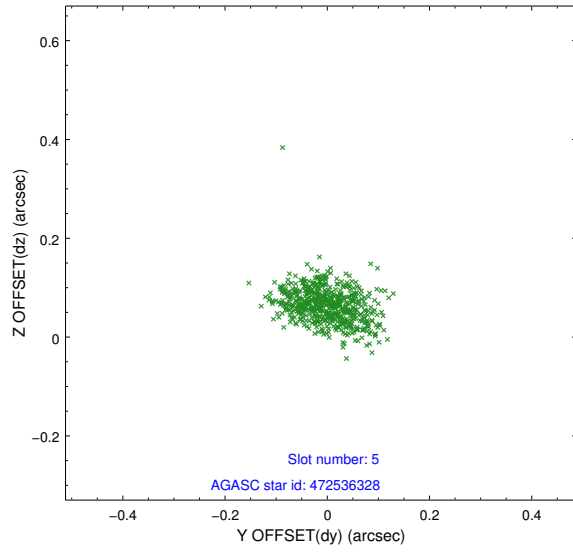
2.4.1 Slot 3



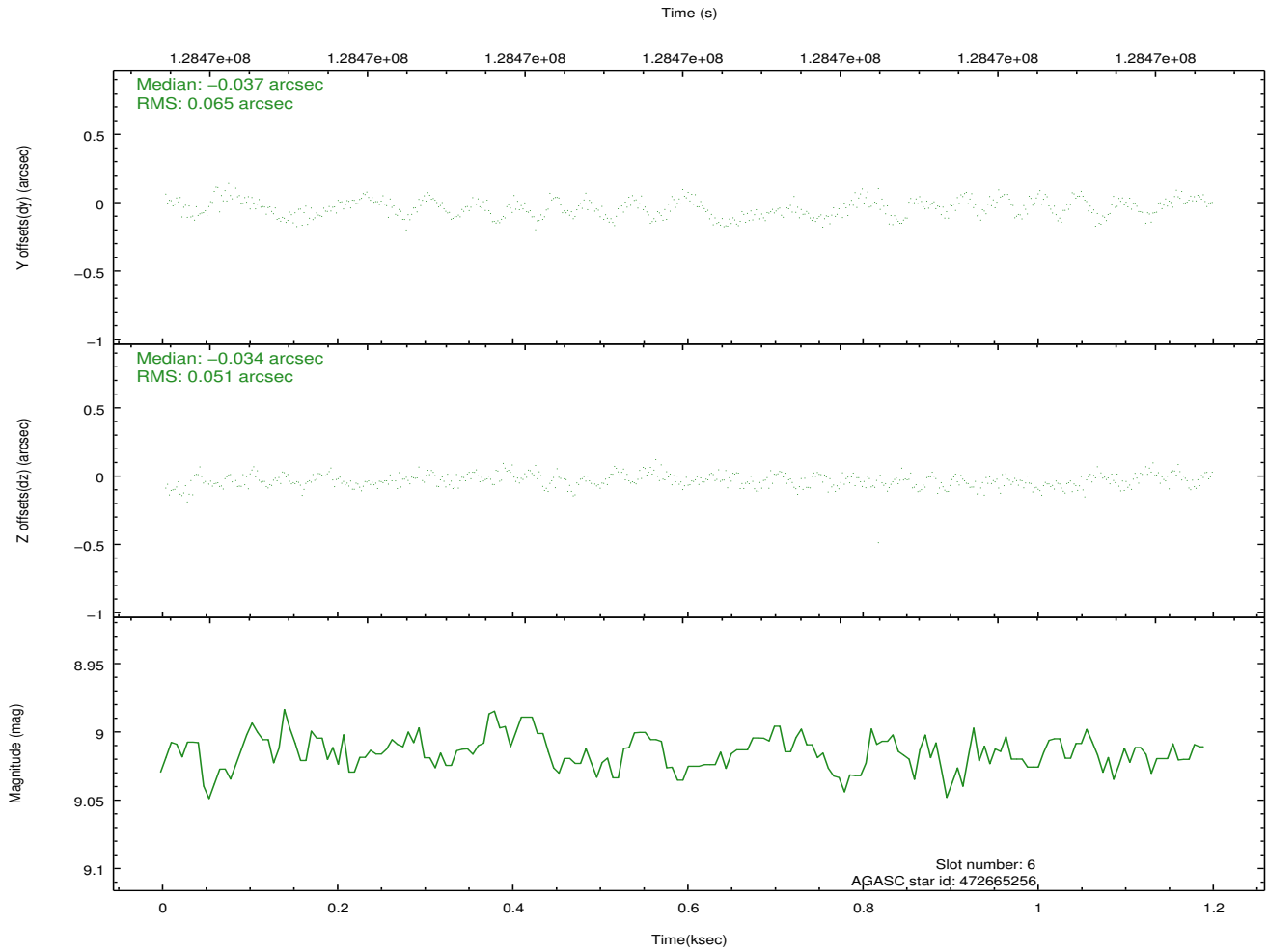
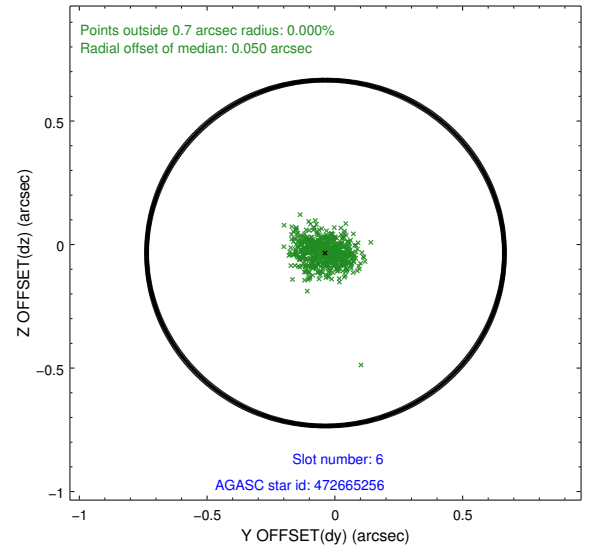
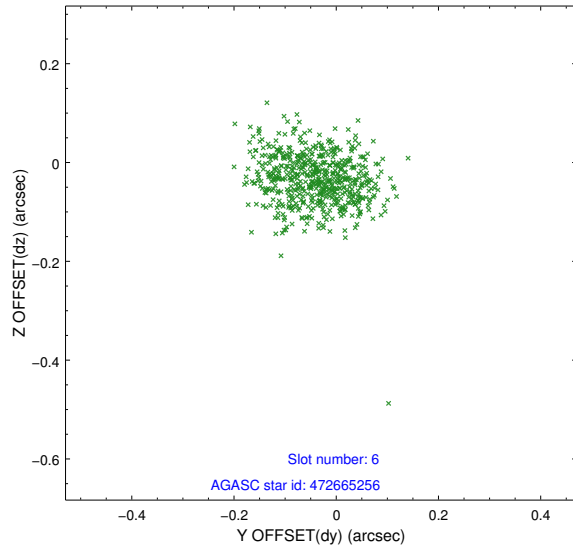
2.4.2 Slot 4



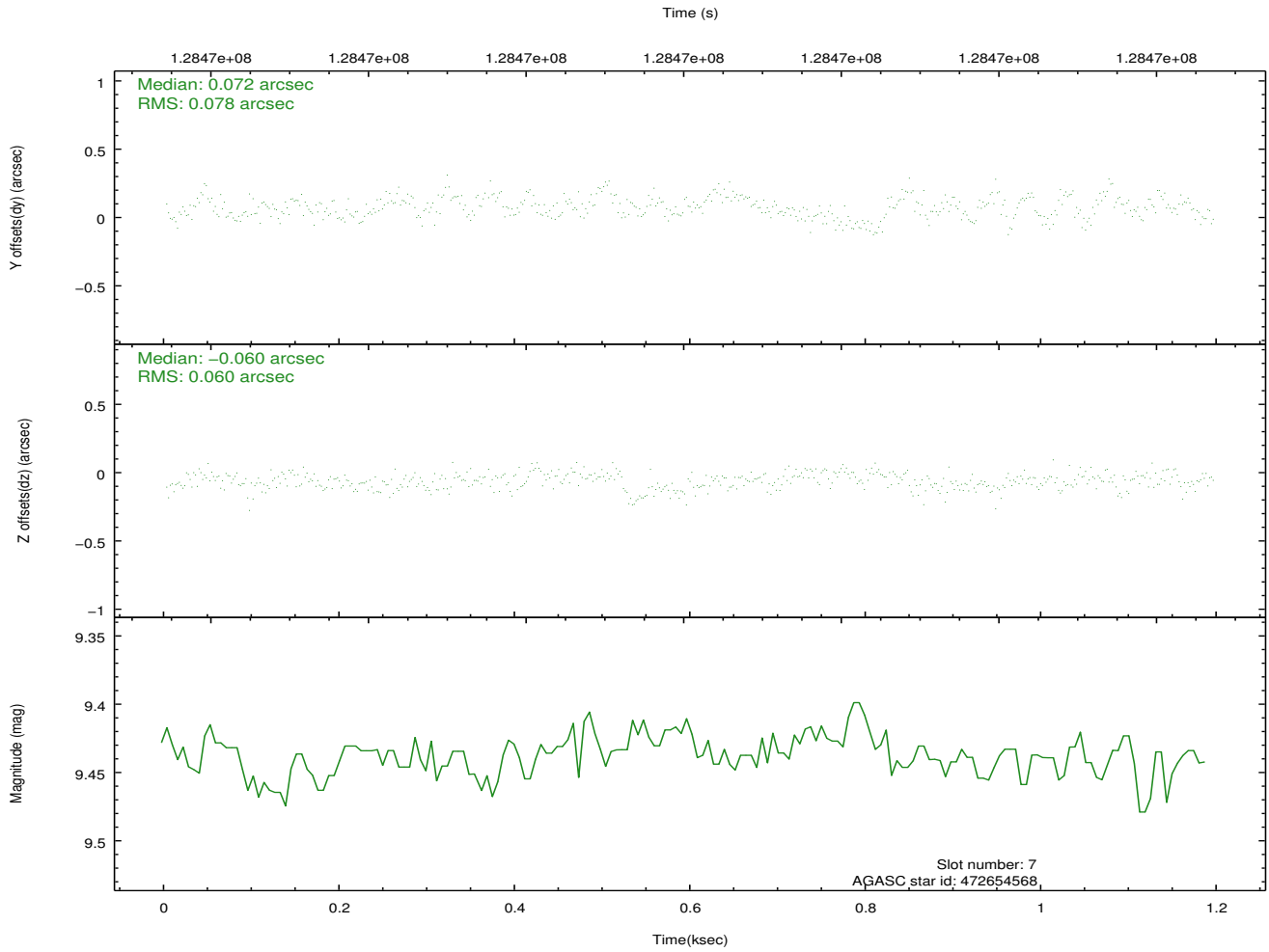
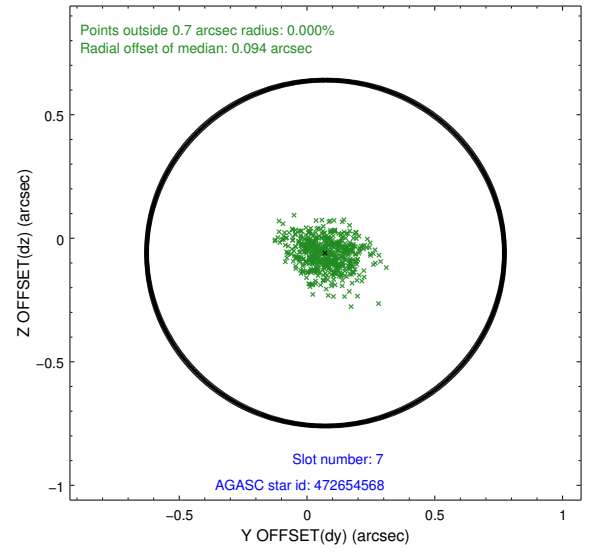
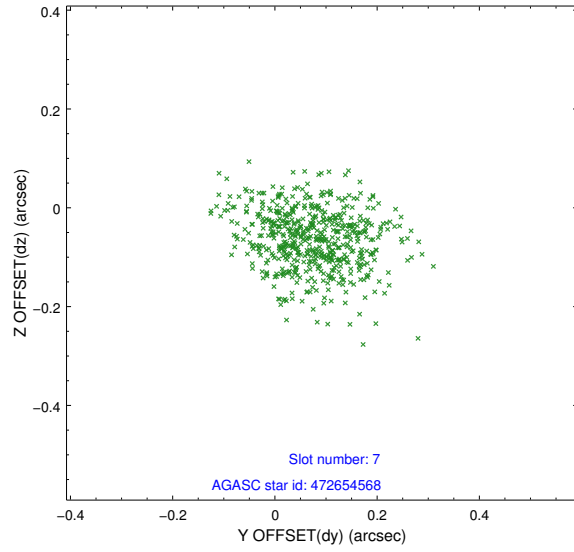
2.4.3 Slot 5



2.4.4 Slot 6

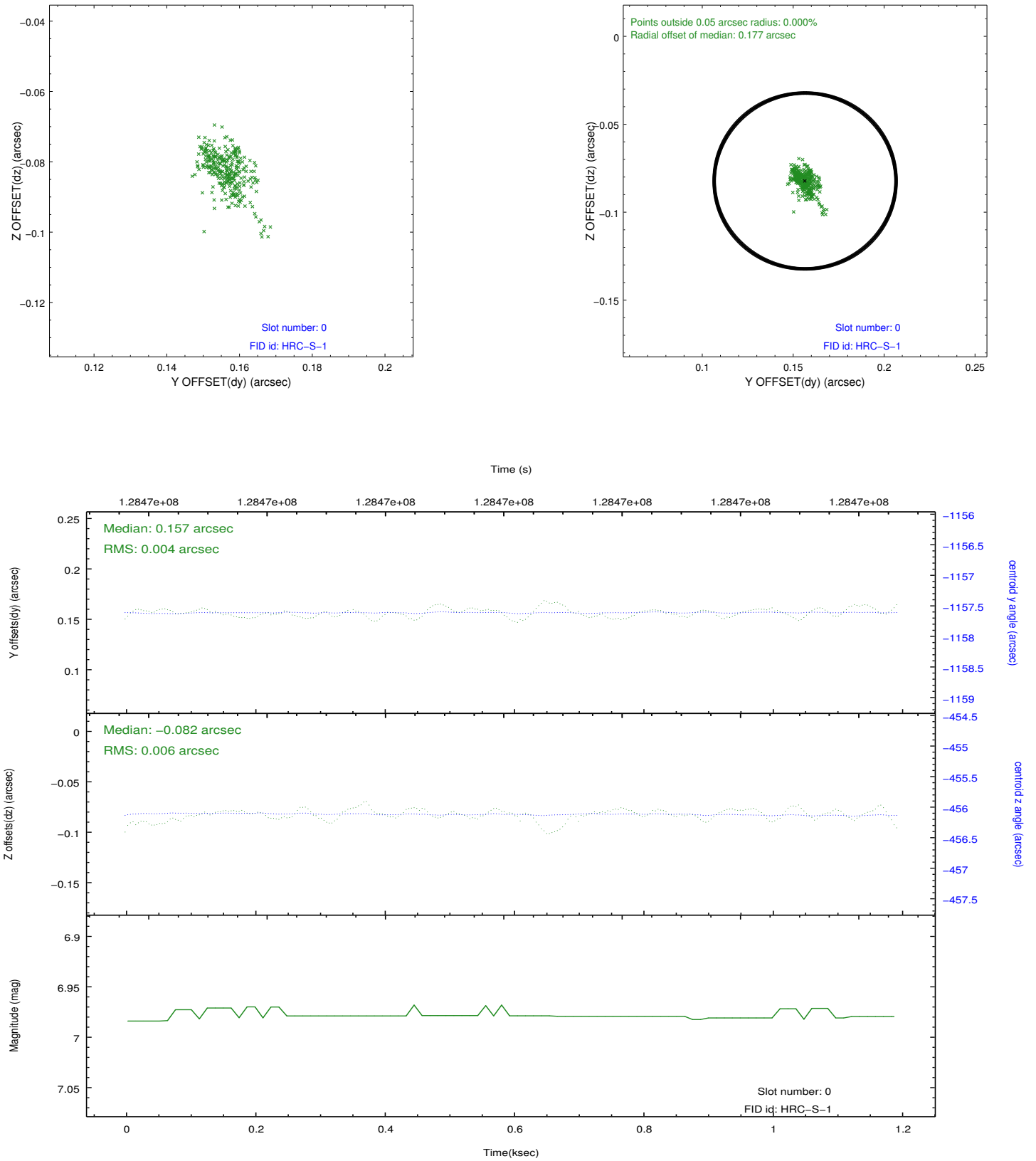


2.4.5 Slot 7

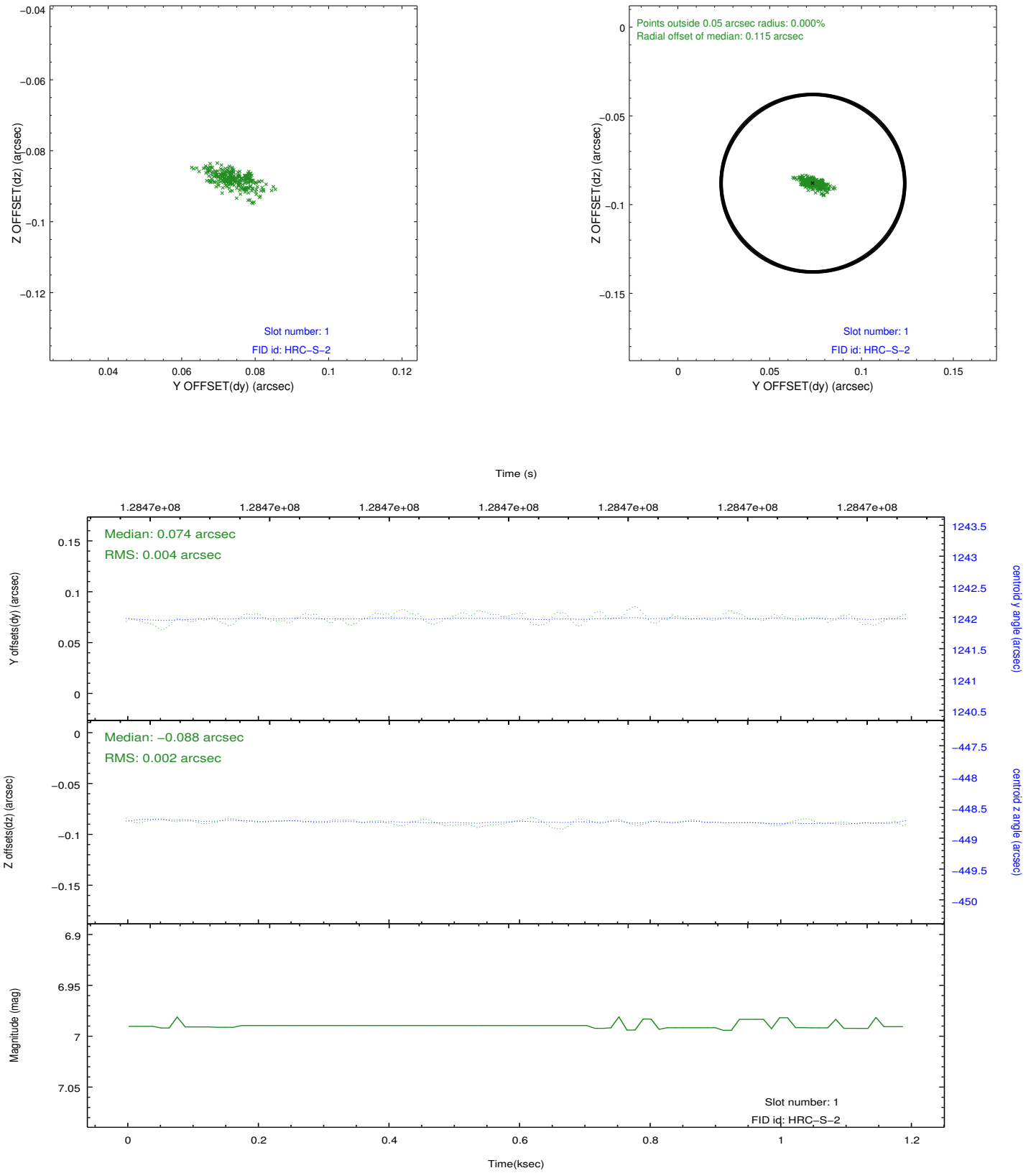


2.5 FID Slots

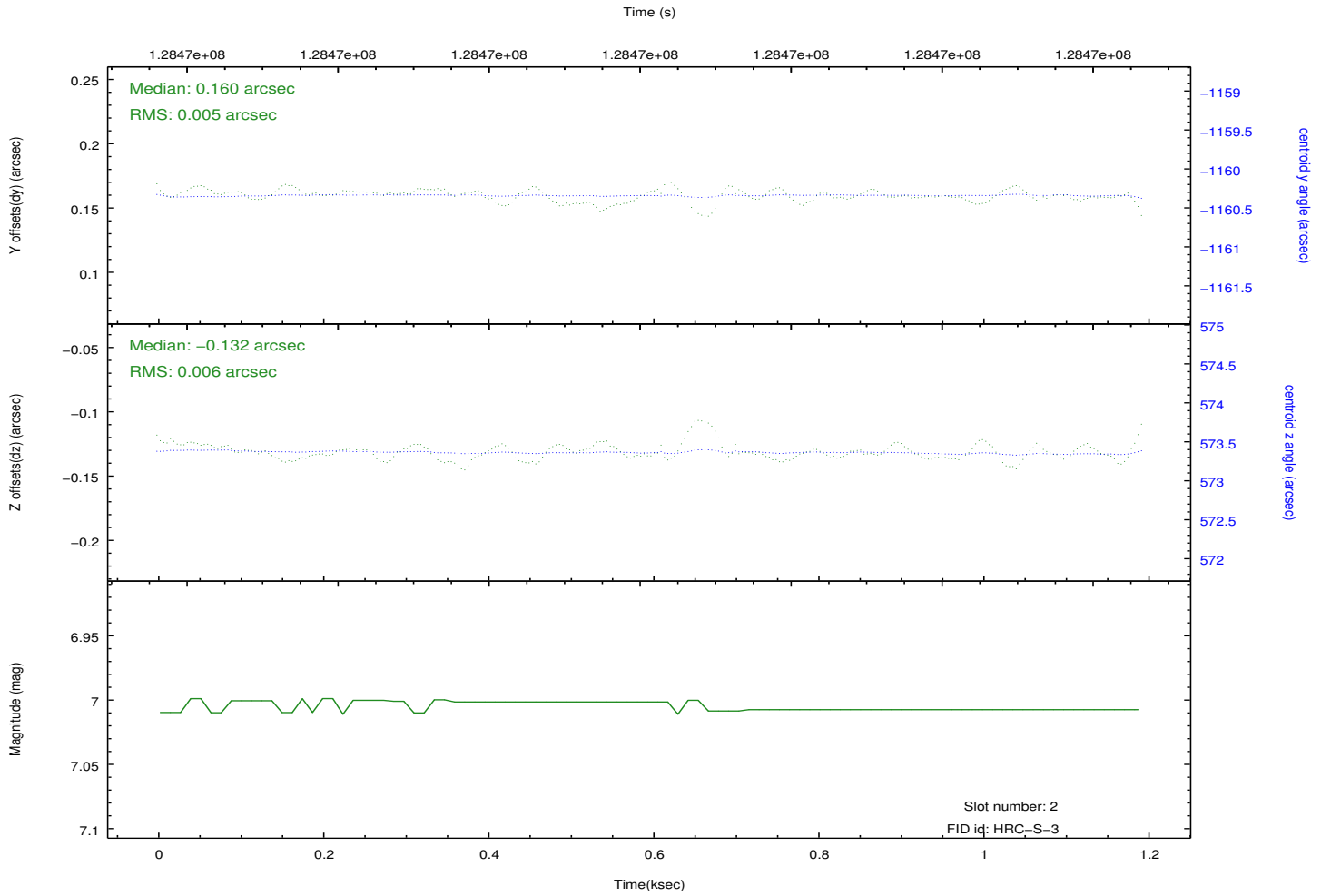
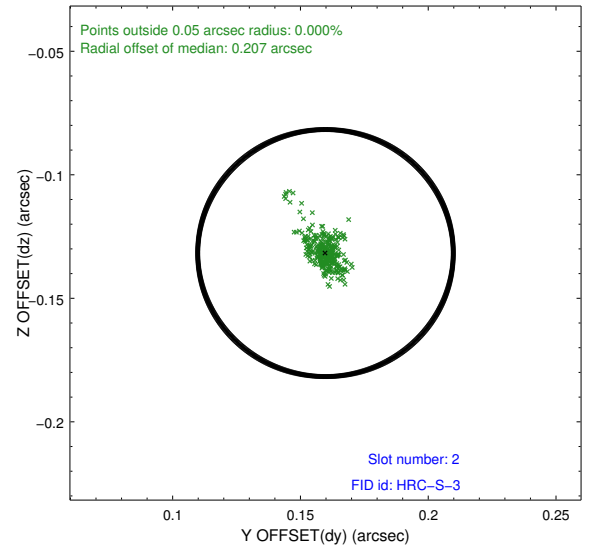
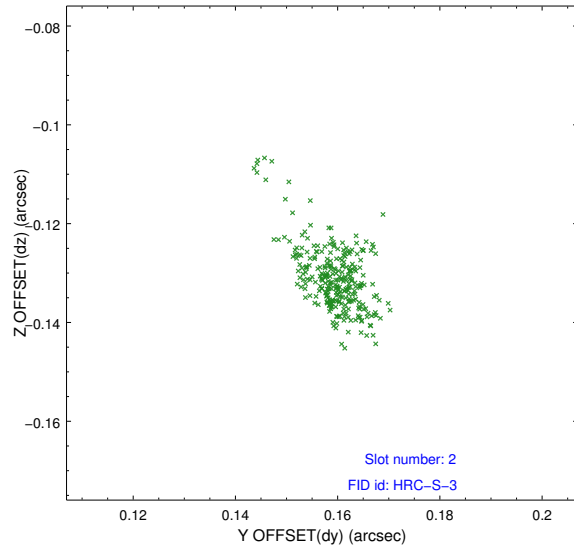
2.5.1 Slot 0



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)	2012.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.187

A.2 Comments

Charge time for this ObsId remains at previous value of 1.187 ks although with the current processing the charge time would have been 1.14 ksec.