

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12450 - L2 Version 5
Chandra X-Ray Center

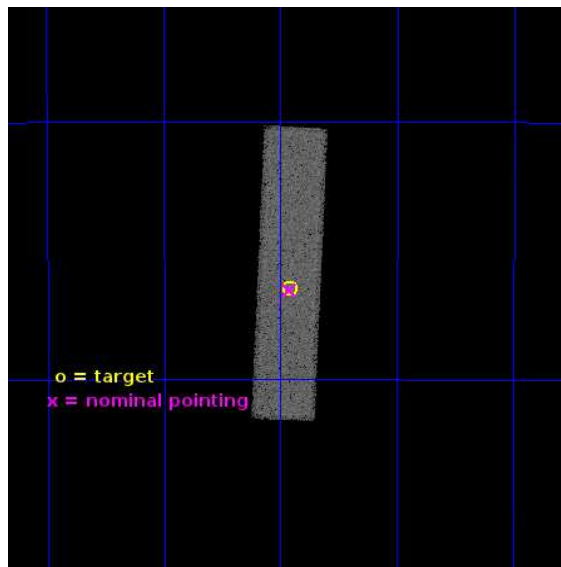
L2 Processing Date : Jun 29 2013

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

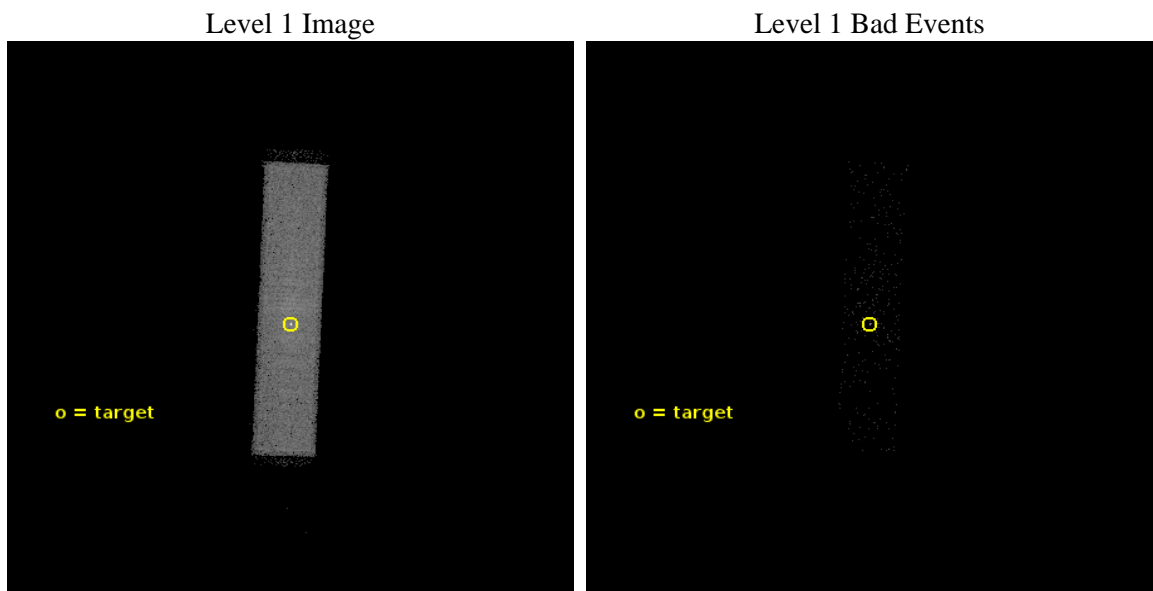
seq_num	401191	Sequence number
obs_id	12450	Observation id
title	Precise Localization of Transient Low-Mass X-ray Binaries	Proposal
observer	Prof. Deepto Chakrabarty	Principal investigator
object	IGR J17498-2921	Source name
ra_targ	267.480542	Observer's specified target RA [deg]
dec_targ	-29.322389	Observer's specified target Dec [deg]
ra_nom	267.48099487786	Nominal RA [deg]
dec_nom	-29.32671178948	Nominal Dec [deg]
roll_nom	272.40633094534	Nominal Roll [deg]
revision	5	Processing version of data
ontime	1188.2313122749	[s]
livetime	1183.2307926615	Ontime multiplied by DTCOR
l2events	55255	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	1188.2313122749	[s]
caldsver	4.5.7	 	l1events	115453	Number of level 1 events
date	2013-06-29T07:30:05	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

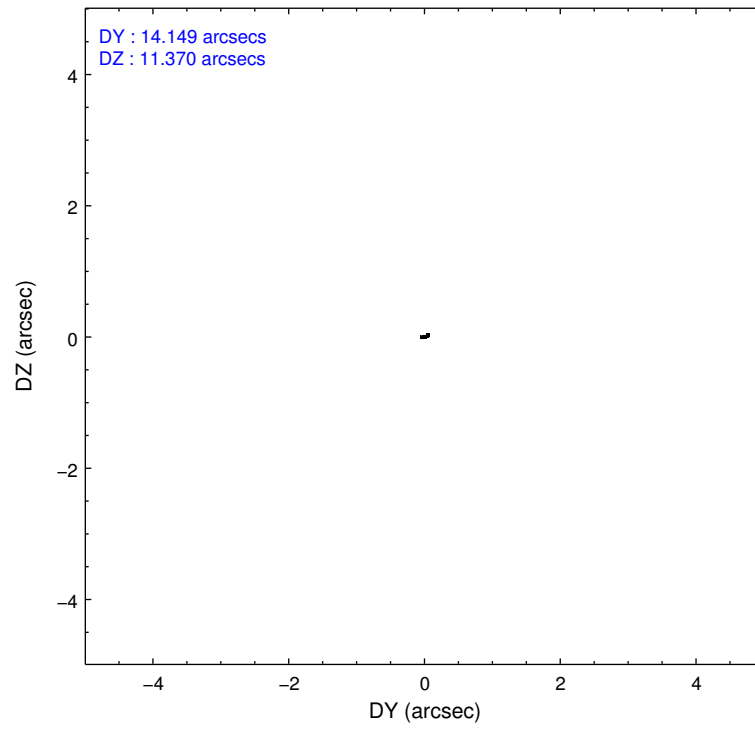
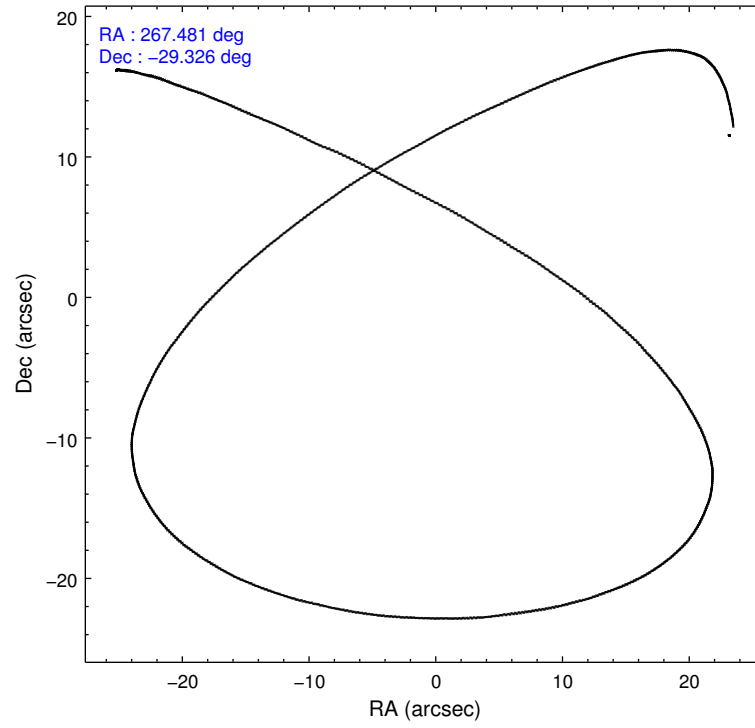
	segment 1	segment 2	segment 3
level 1 events	113	115335	5
rejected events	39	42390	5
rejected %	34%	36%	100%

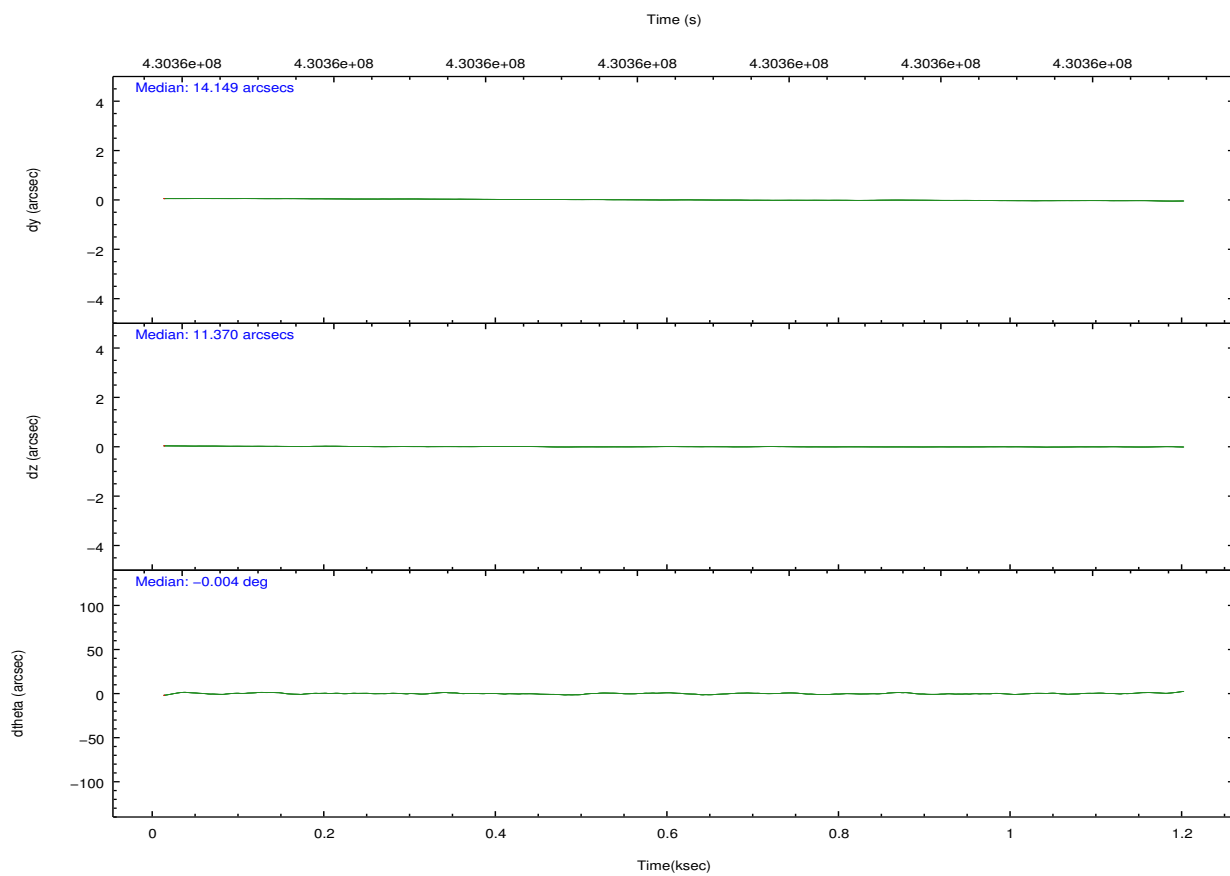
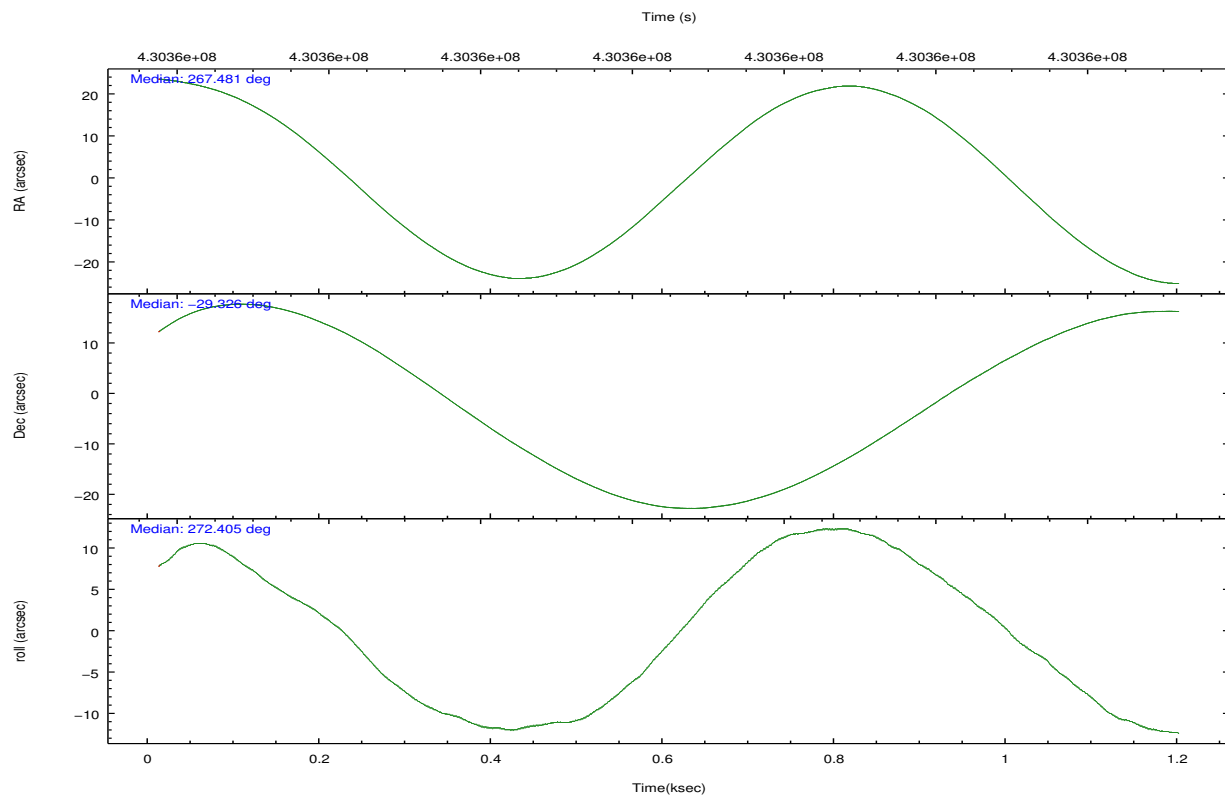
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	267.461678	267.4809948778593
[deg] Pointing Dec	-29.303714	-29.32671178947956
[deg] Pointing Roll	272.329566	272.4063309453443
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	430361642.184000	430360800.60883
Observation start date	2011-08-22T00:52:56	2011-08-22T00:40:00
[s] Observation end time (MET)	430362642.184000	430362990.52145
Observation end date	2011-08-22T01:09:36	2011-08-22T01:16:30

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

2.3 Aspect



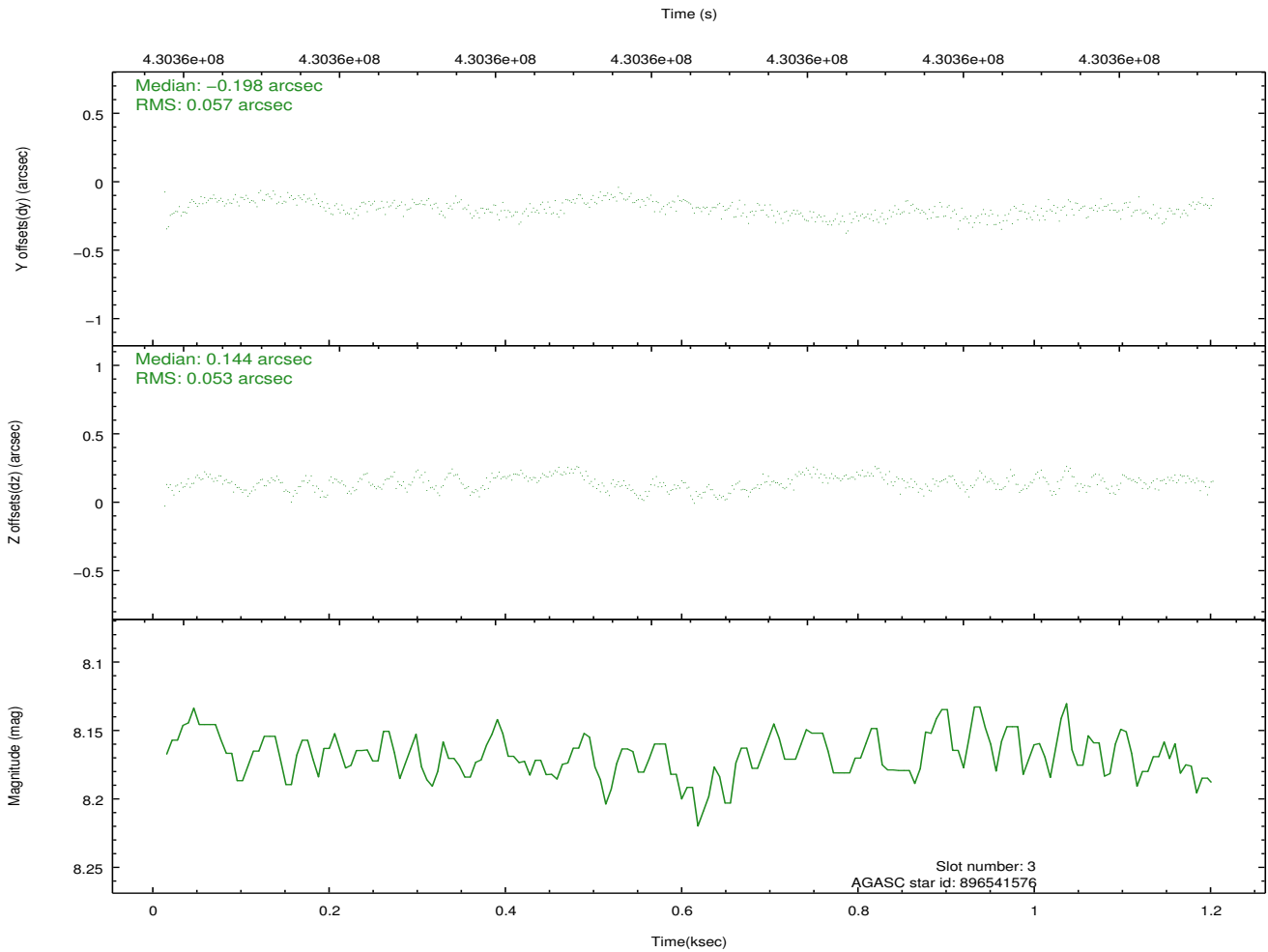
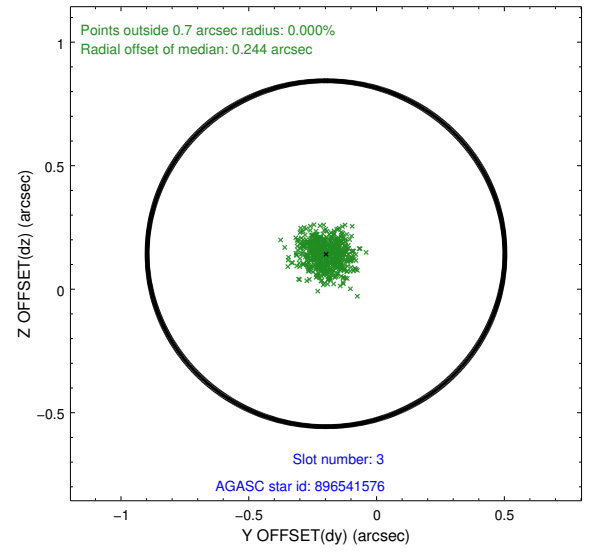
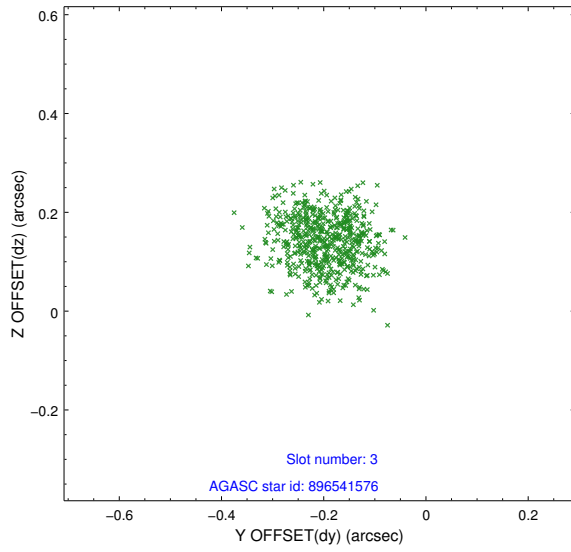


Slot Statistics

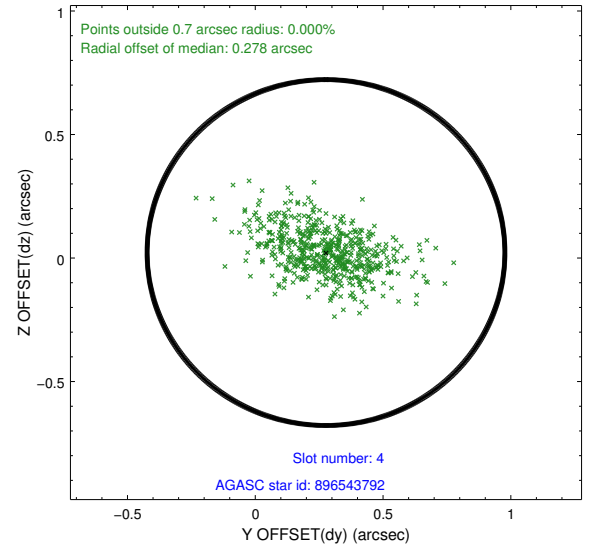
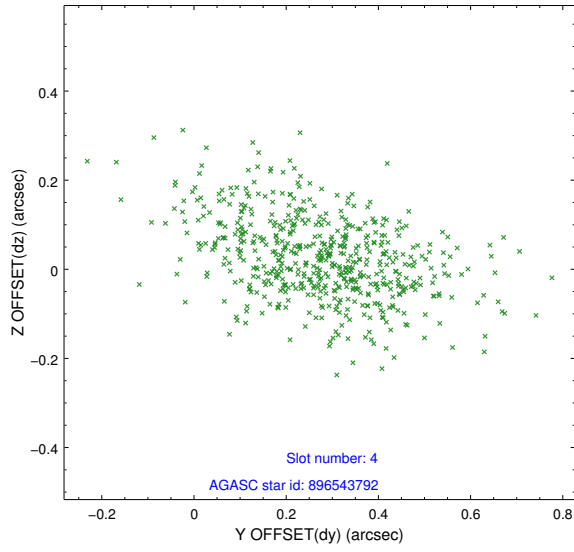
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.95	291	0.046	-0.139	0.007	0.013	0.000000	0.000000	-1168.56	-460.11
1	FID	HRC-S-2	6.93	291	0.244	-0.113	0.005	0.010	0.000000	0.000000	1227.28	-454.28
2	FID	HRC-S-3	6.95	291	0.099	-0.050	0.008	0.014	0.000000	0.000000	-1167.03	567.94
3	GUIDE	896541576	8.17	581	-0.198	0.144	0.084	0.130	267.051055	-28.762912	-1993.98	-1216.59
4	GUIDE	896543792	9.85	563	0.277	0.022	0.185	0.328	267.148052	-29.957989	2313.10	-1076.87
5	GUIDE	898248800	8.23	581	-0.130	0.007	0.070	0.116	267.977609	-29.931731	2333.75	1513.66
6	GUIDE	898250872	7.12	581	-0.240	-0.147	0.071	0.107	268.026303	-29.632040	1262.75	1718.76
7	GUIDE	896543712	8.23	580	0.302	-0.030	0.078	0.127	267.764551	-28.659720	-2272.04	1052.17

2.4 Star Slots

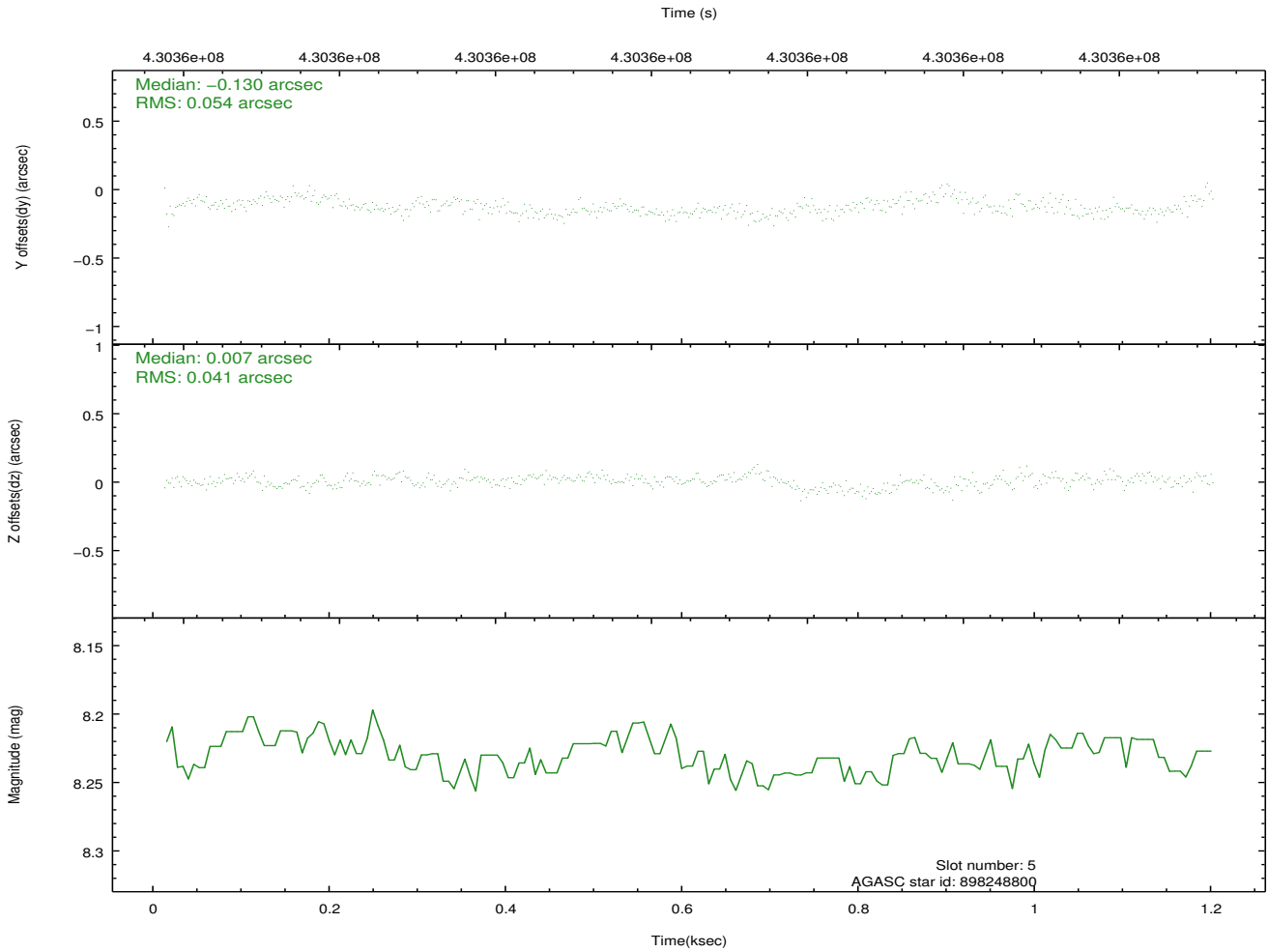
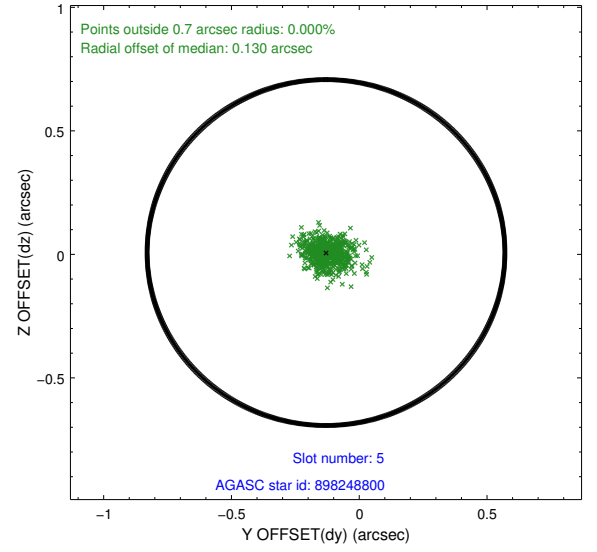
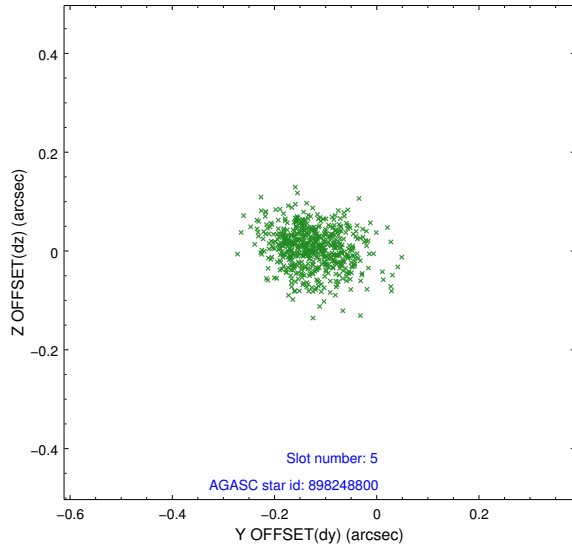
2.4.1 Slot 3



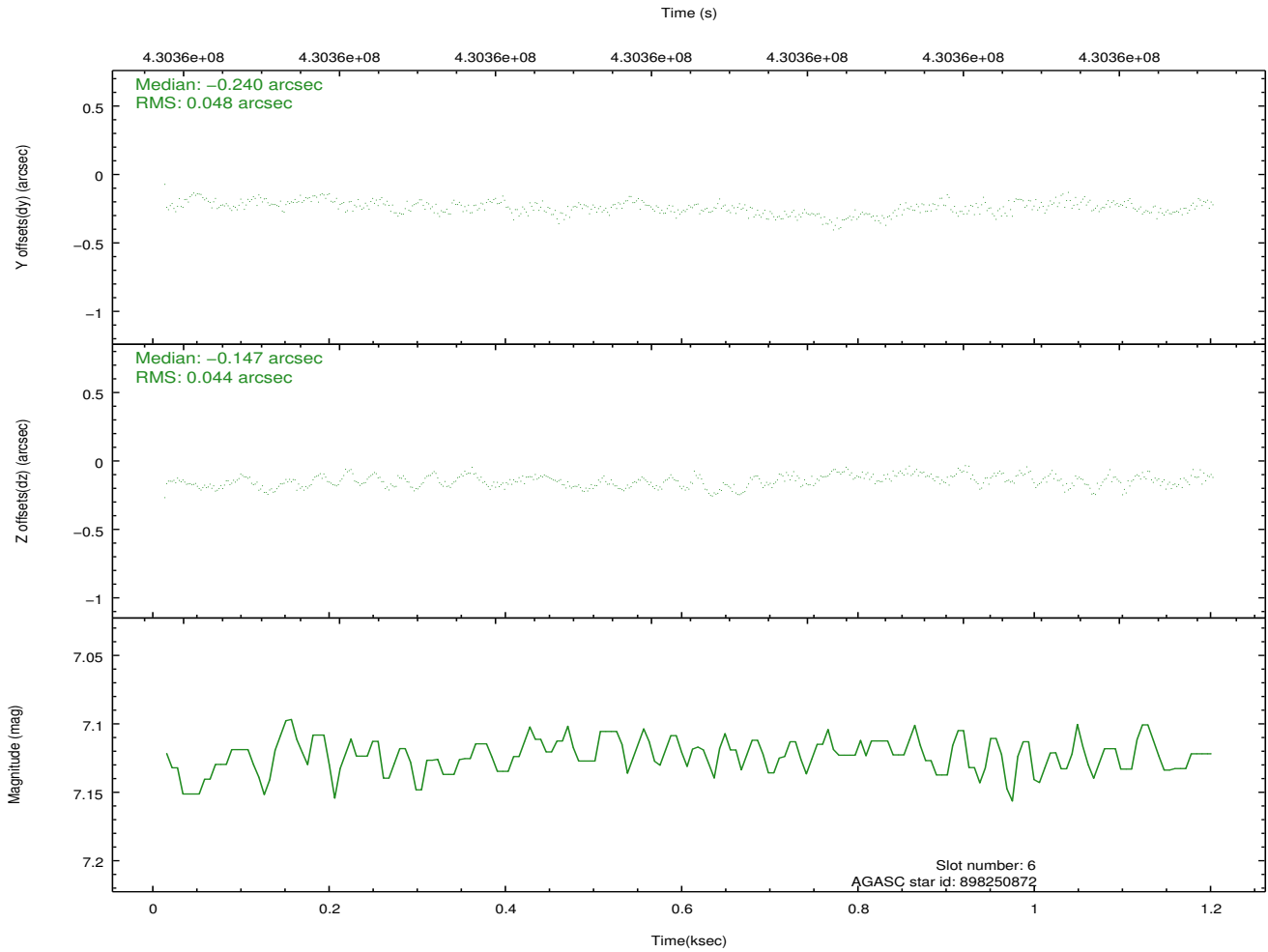
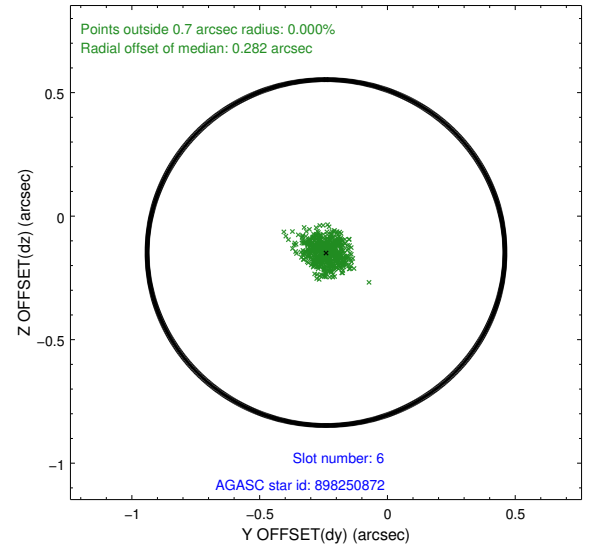
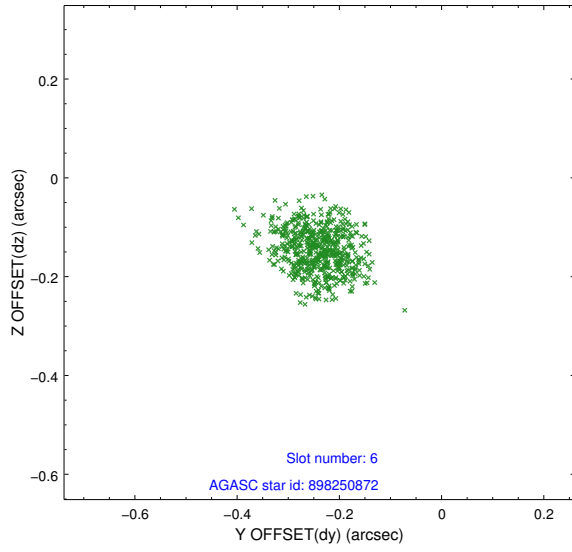
2.4.2 Slot 4



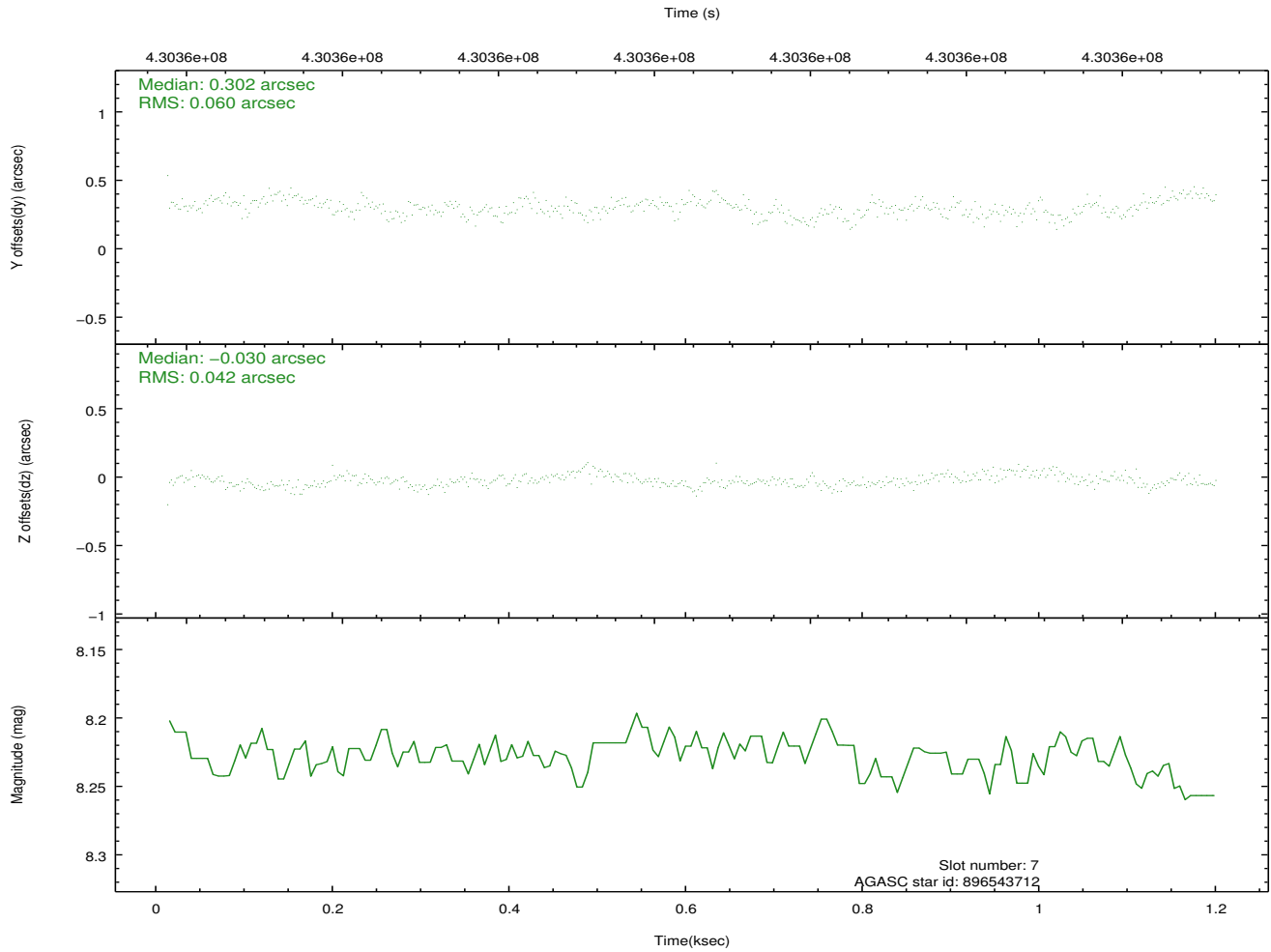
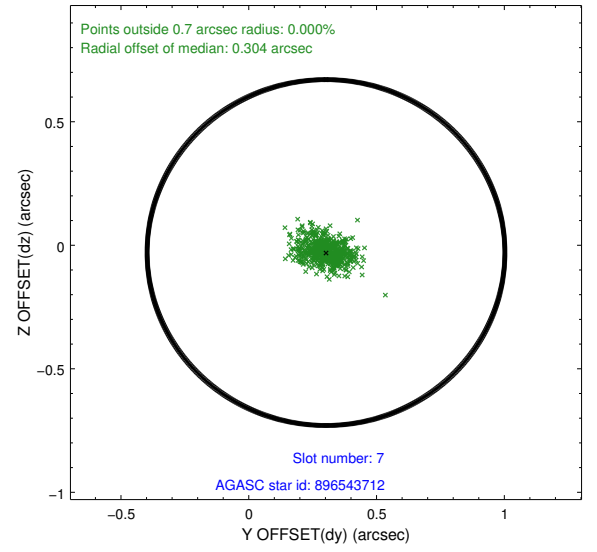
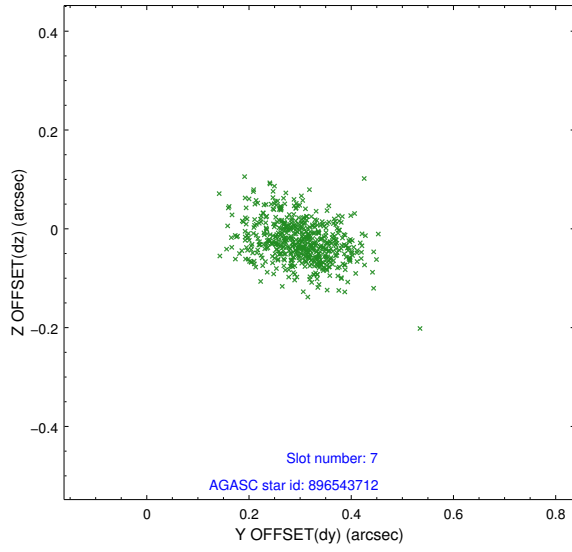
2.4.3 Slot 5



2.4.4 Slot 6

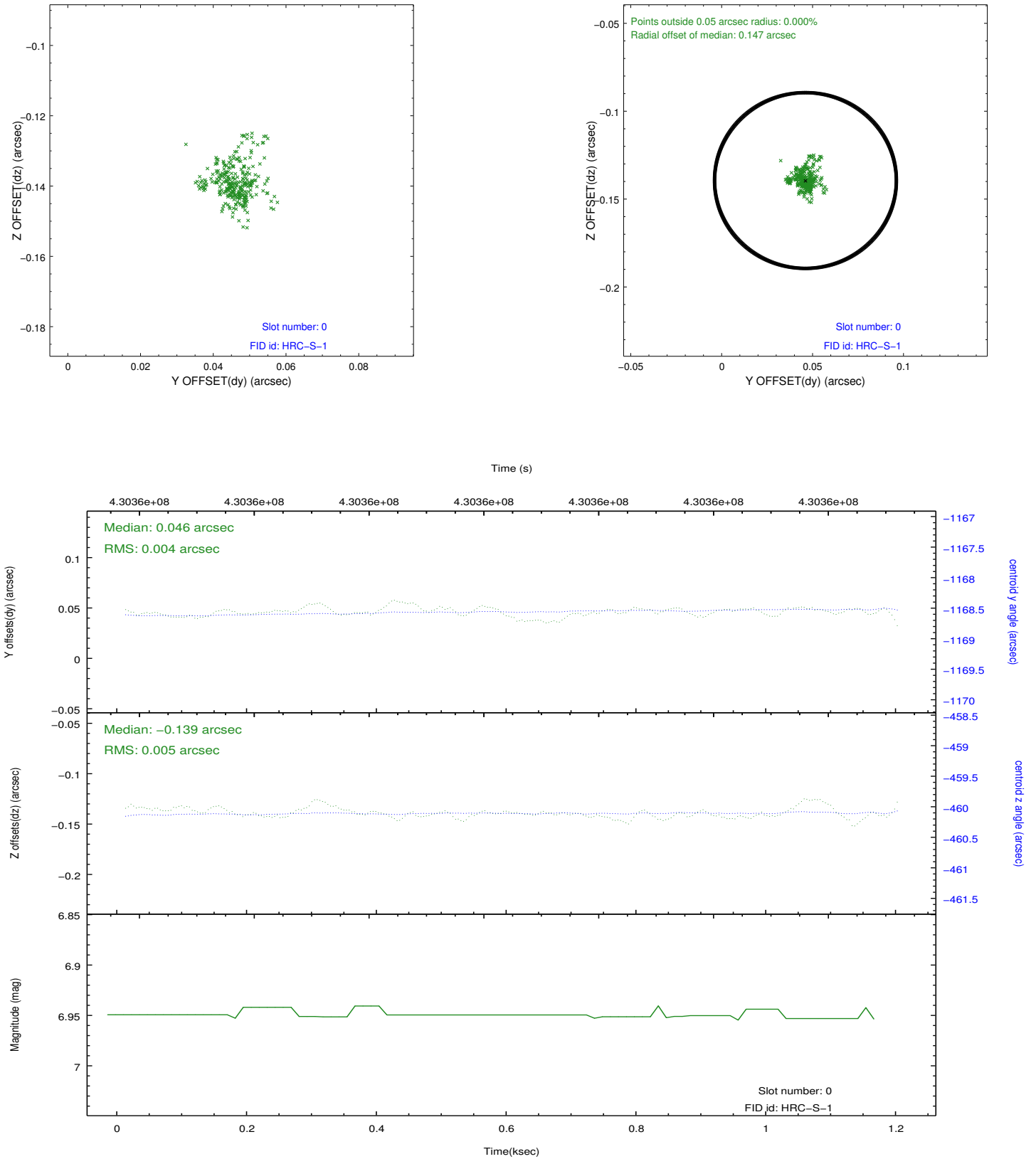


2.4.5 Slot 7

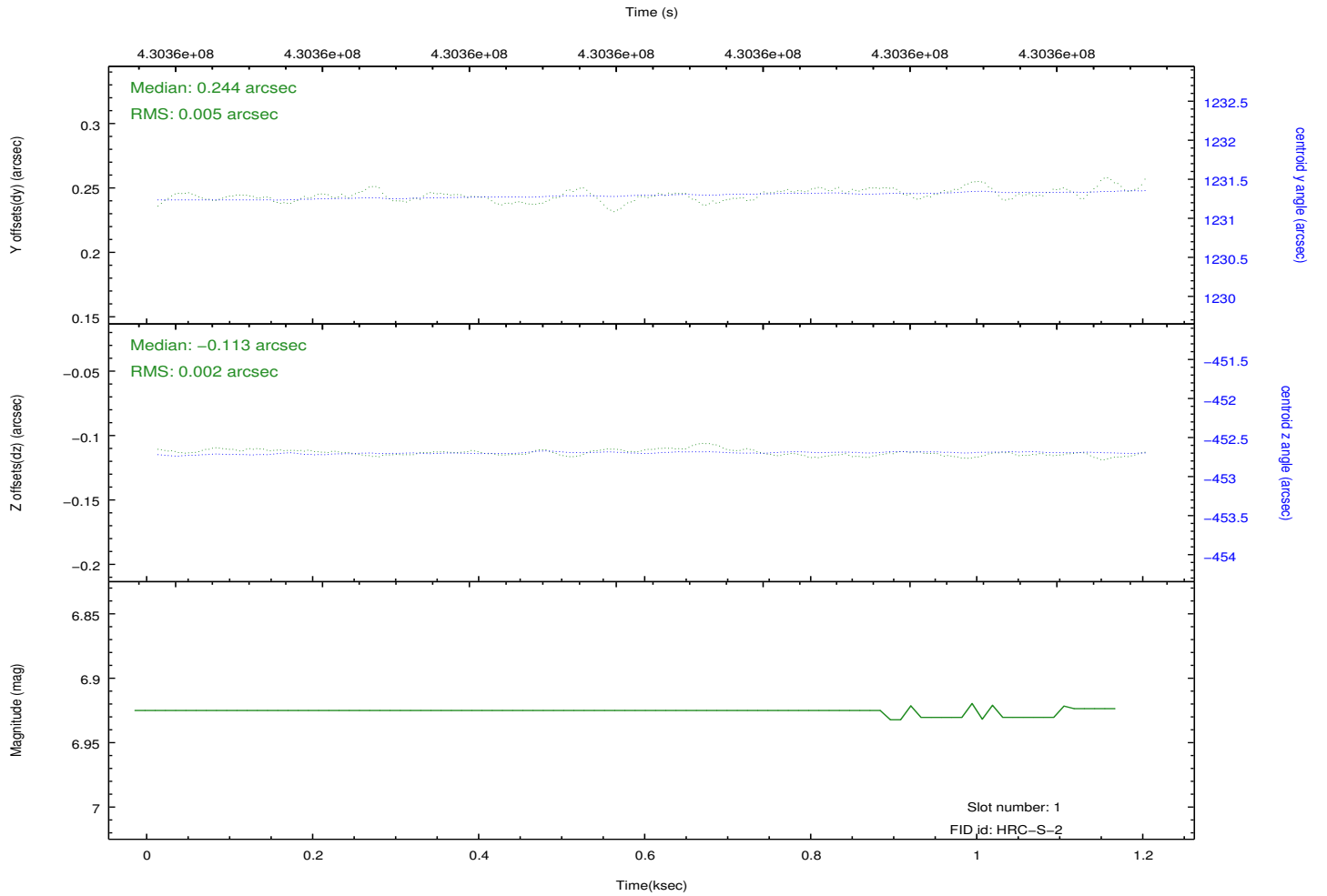
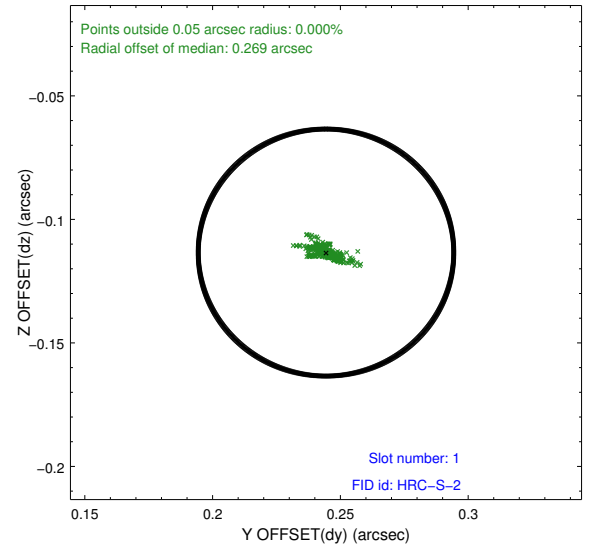
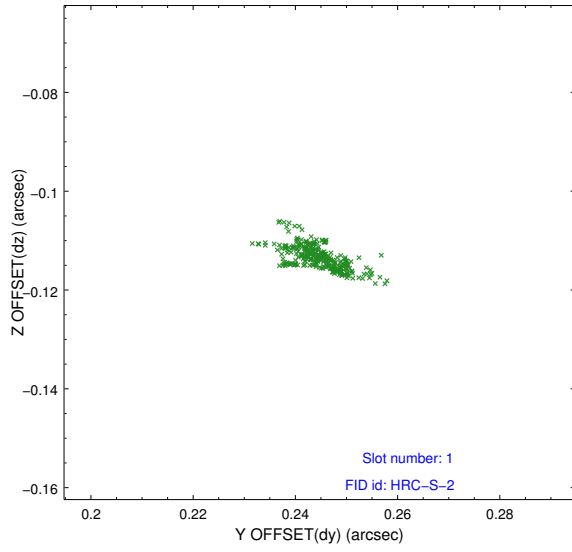


2.5 FID Slots

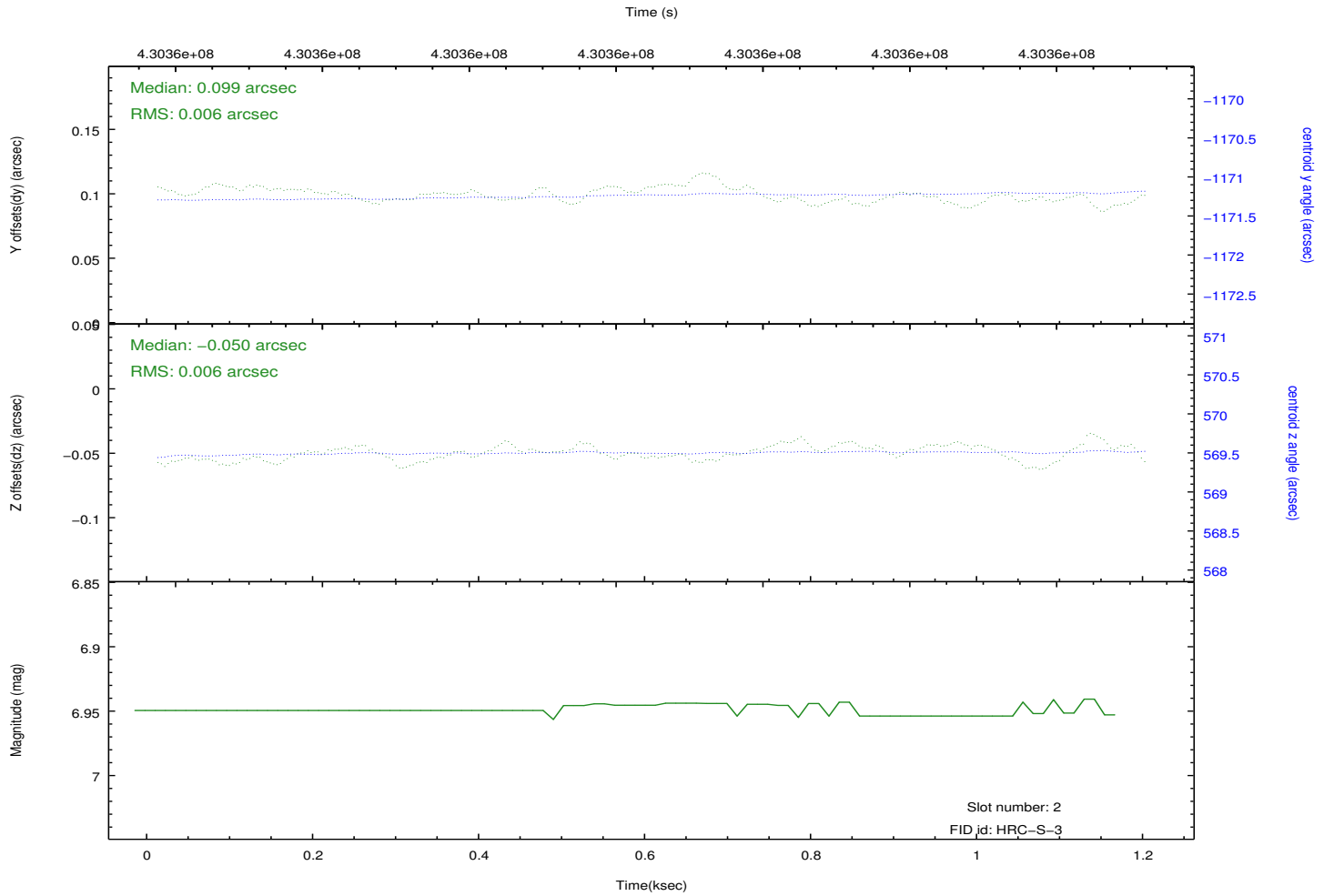
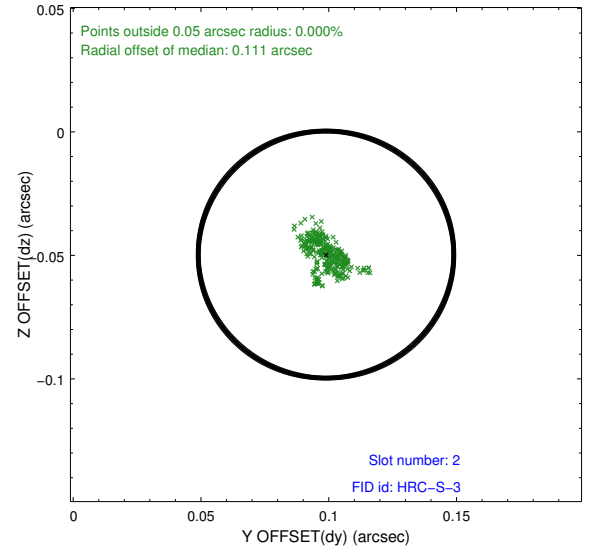
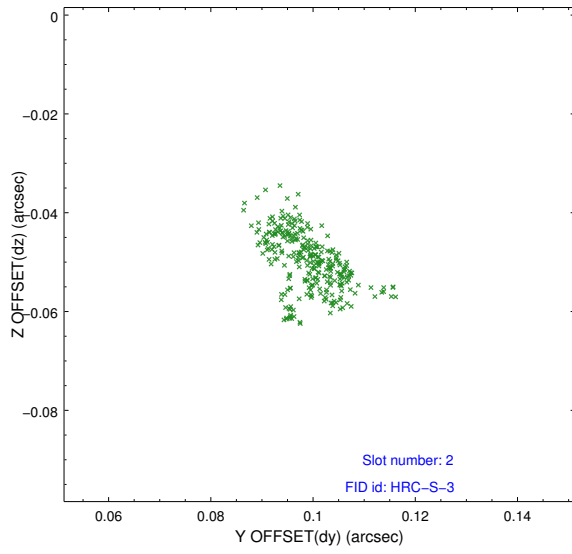
2.5.1 Slot 0



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)	2013.07.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1882313124537

A.2 Comments