

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4426 - L2 Version 4
Chandra X-Ray Center

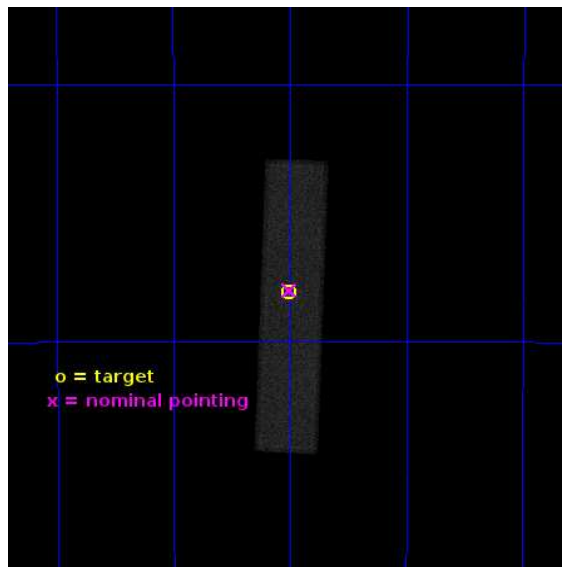
L2 Processing Date : Jun 28 2013

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

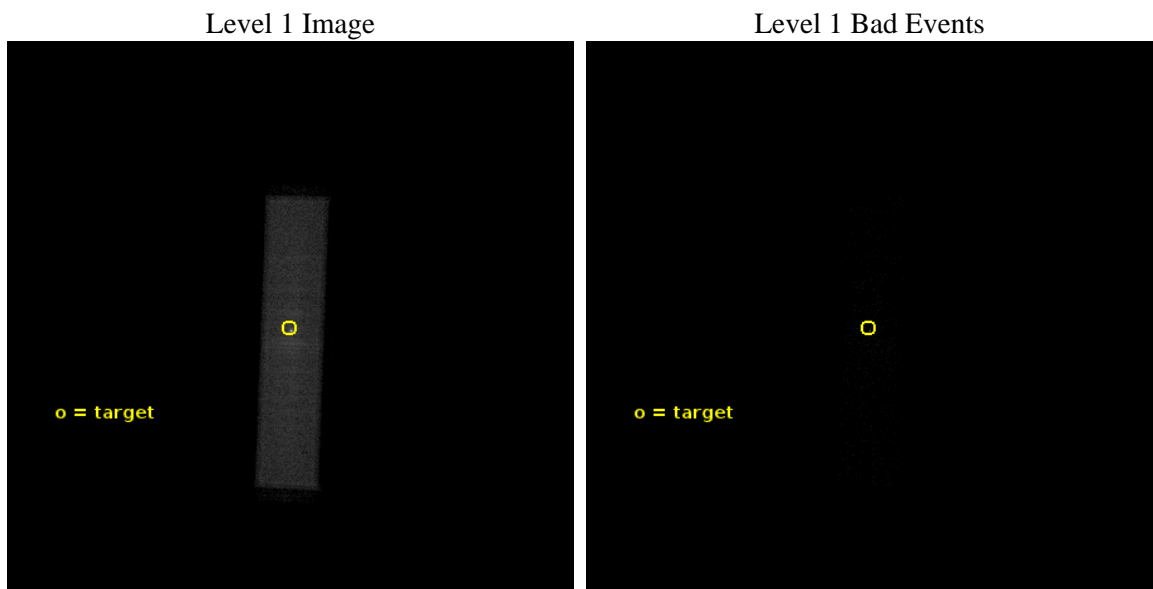
seq_num	400322	Sequence number
obs_id	4426	Observation id
title	DETERMINATION OF THE POSITION OF THE MILLISECOND PULSAR XTE J1807-294	Proposal title
observer	DR CRAIG MARKWARDT	Principal investigator
object	XTE J1807-294	Source name
ra_targ	271.75142	Observer's specified target RA [deg]
dec_targ	-29.40509	Observer's specified target Dec [deg]
ra_nom	271.75137461566	Nominal RA [deg]
dec_nom	-29.400611952837	Nominal Dec [deg]
roll_nom	92.022659016795	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2824.1313689053	[s]
livetime	2812.2577423372	Ontime multiplied by DTCOR
l2events	129116	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	2824.1313689053	[s]
caldsver	4.5.7	 	l1events	177473	Number of level 1 events
date	2013-06-29T00:24:19	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

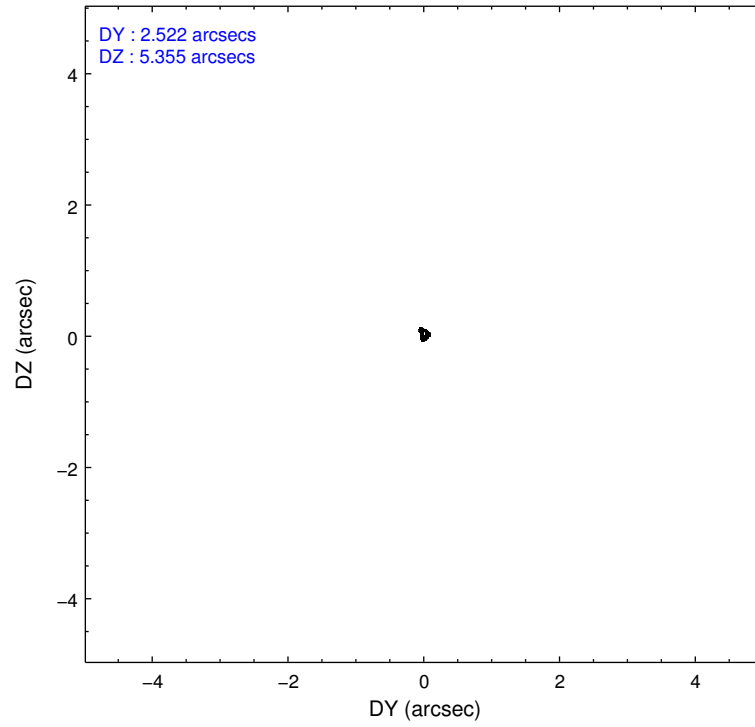
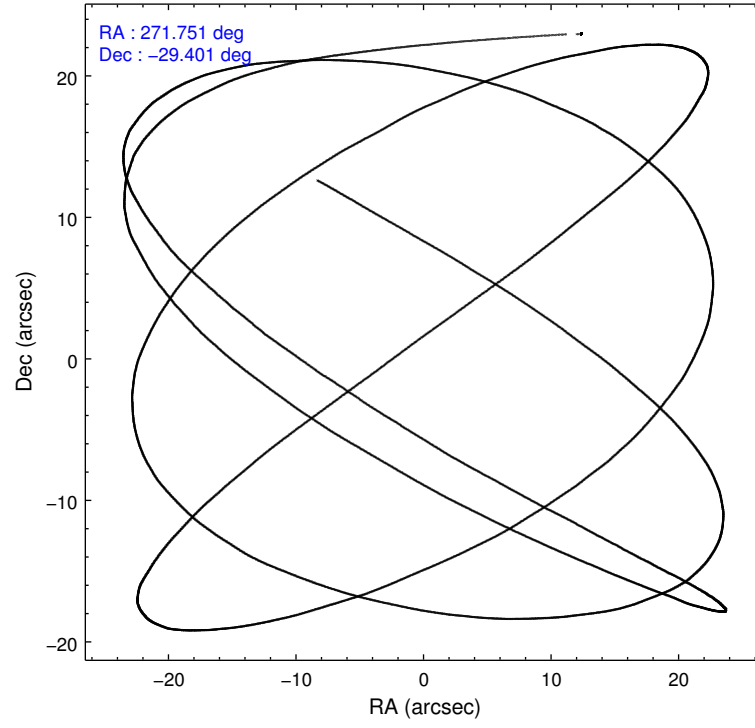
	segment 1	segment 2	segment 3
level 1 events	178	177290	5
rejected events	8	4087	5
rejected %	4%	2%	100%

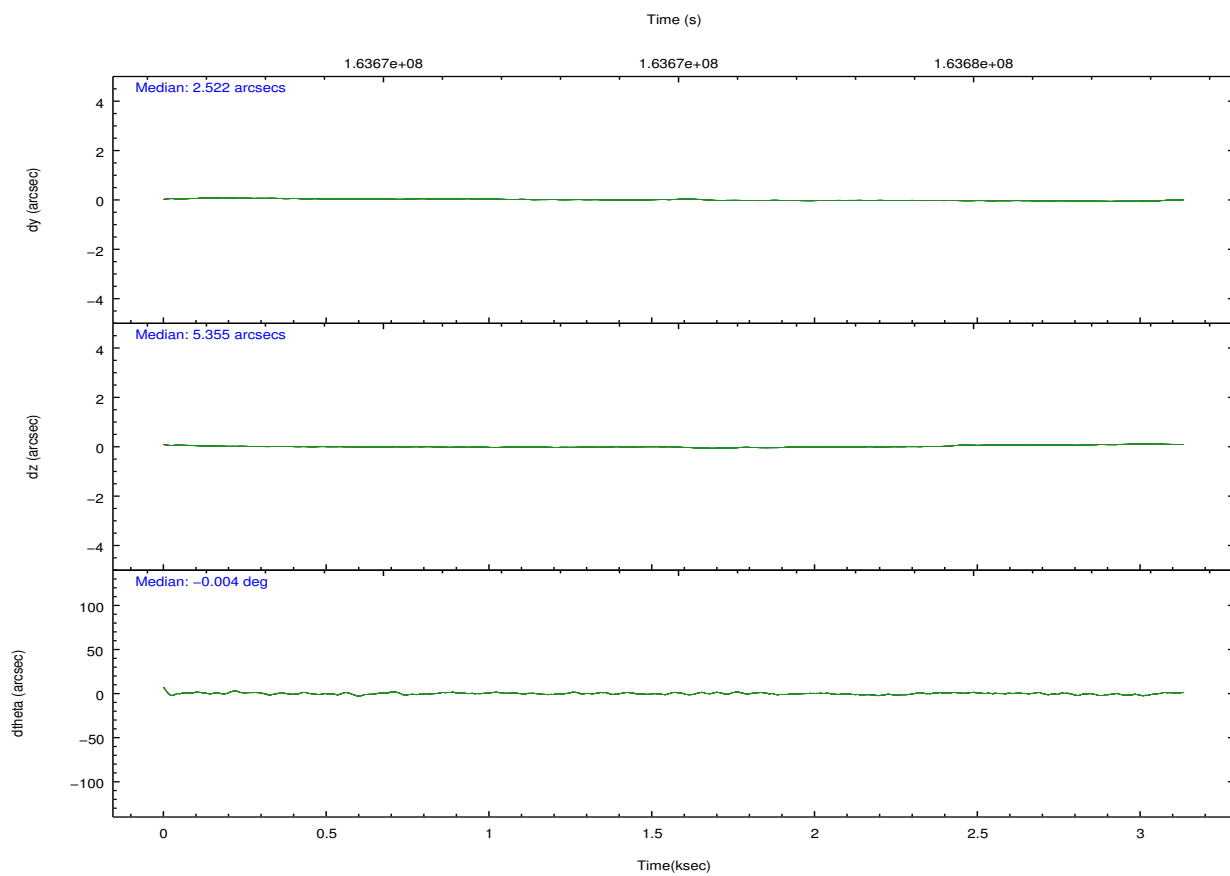
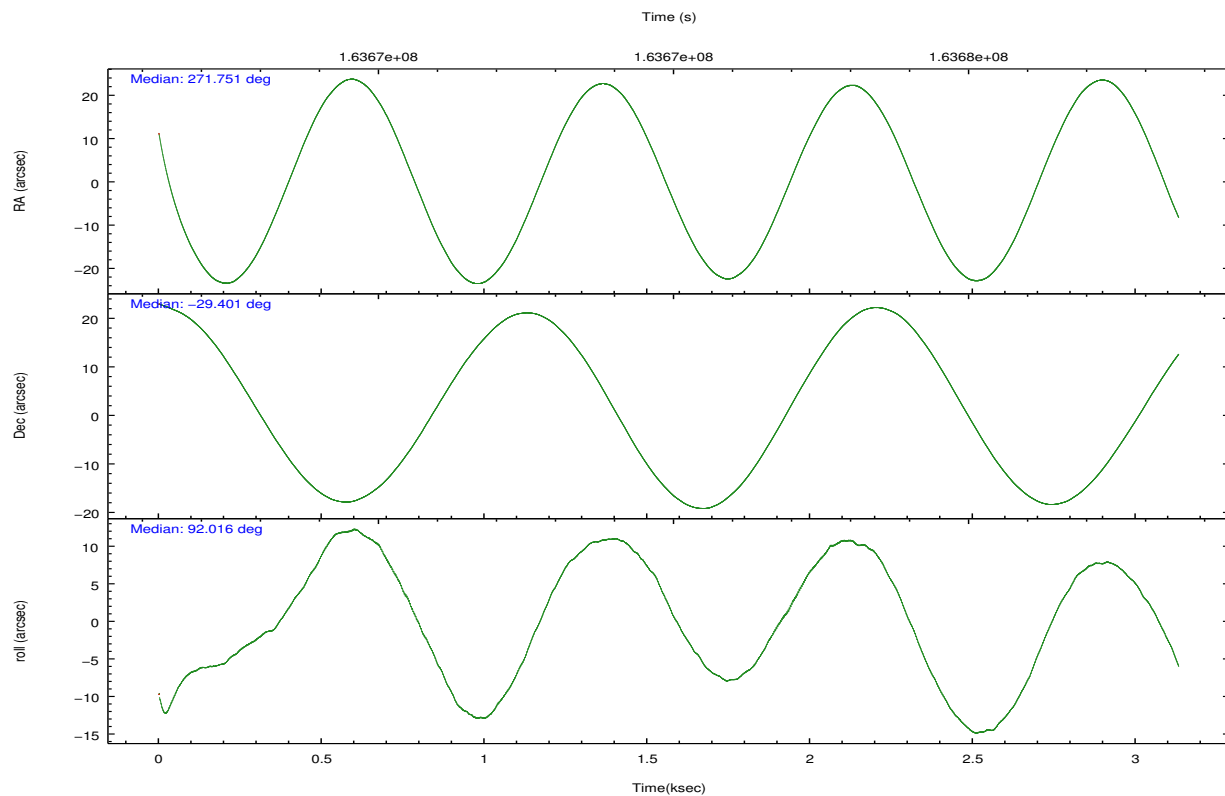
2.2 Compared Parameters

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	271.770159	271.7513746156607
[deg] Pointing Dec	-29.423869	-29.40061195283705
[deg] Pointing Roll	91.964608	92.02265901679466
[mm] SIM focus pos	-1.529586	-1.523540733526241
[mm] SIM defocus	0.003750771043328743	0.009795905878055677
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	163672550.184000	163671743.65251
Observation start date	2003-03-10T08:34:46	2003-03-10T08:22:23
[s] Observation end time (MET)	163675550.184000	163676264.9277
Observation end date	2003-03-10T09:24:46	2003-03-10T09:37:44

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

2.3 Aspect



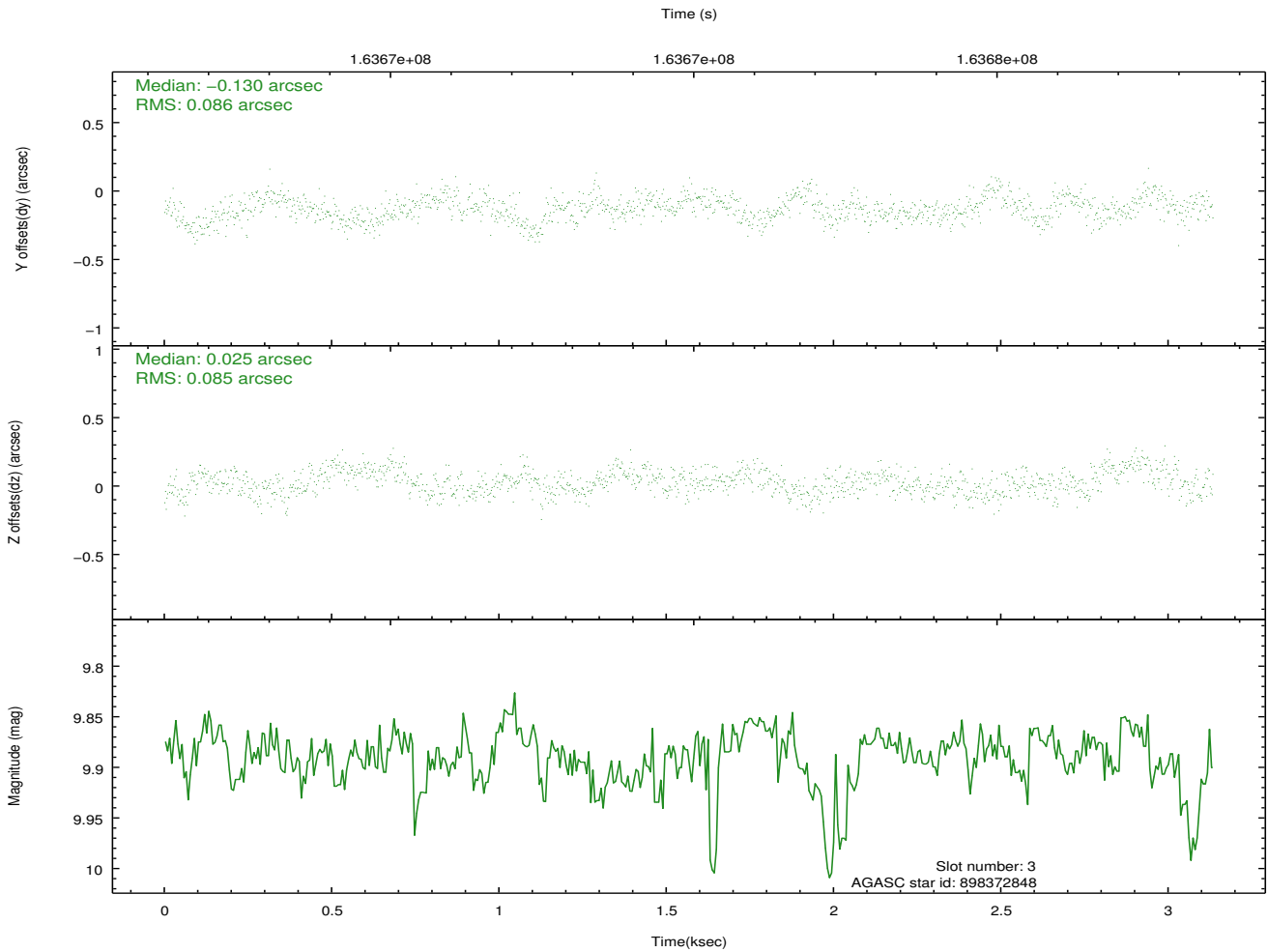
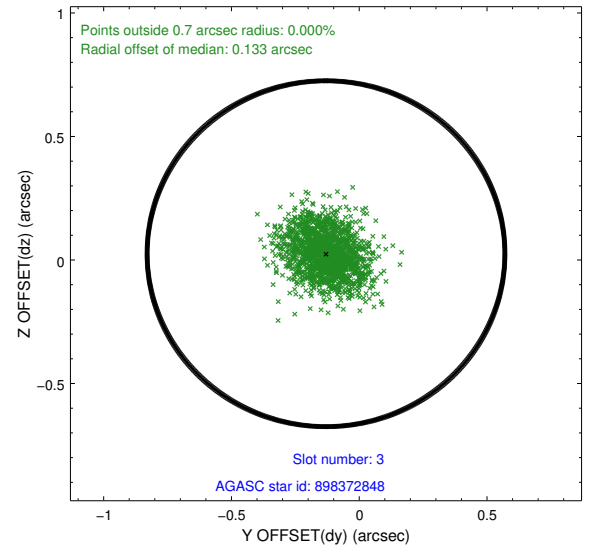
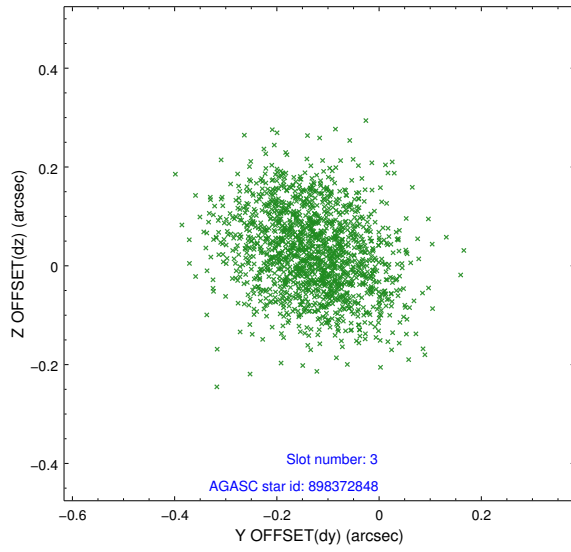


Slot Statistics

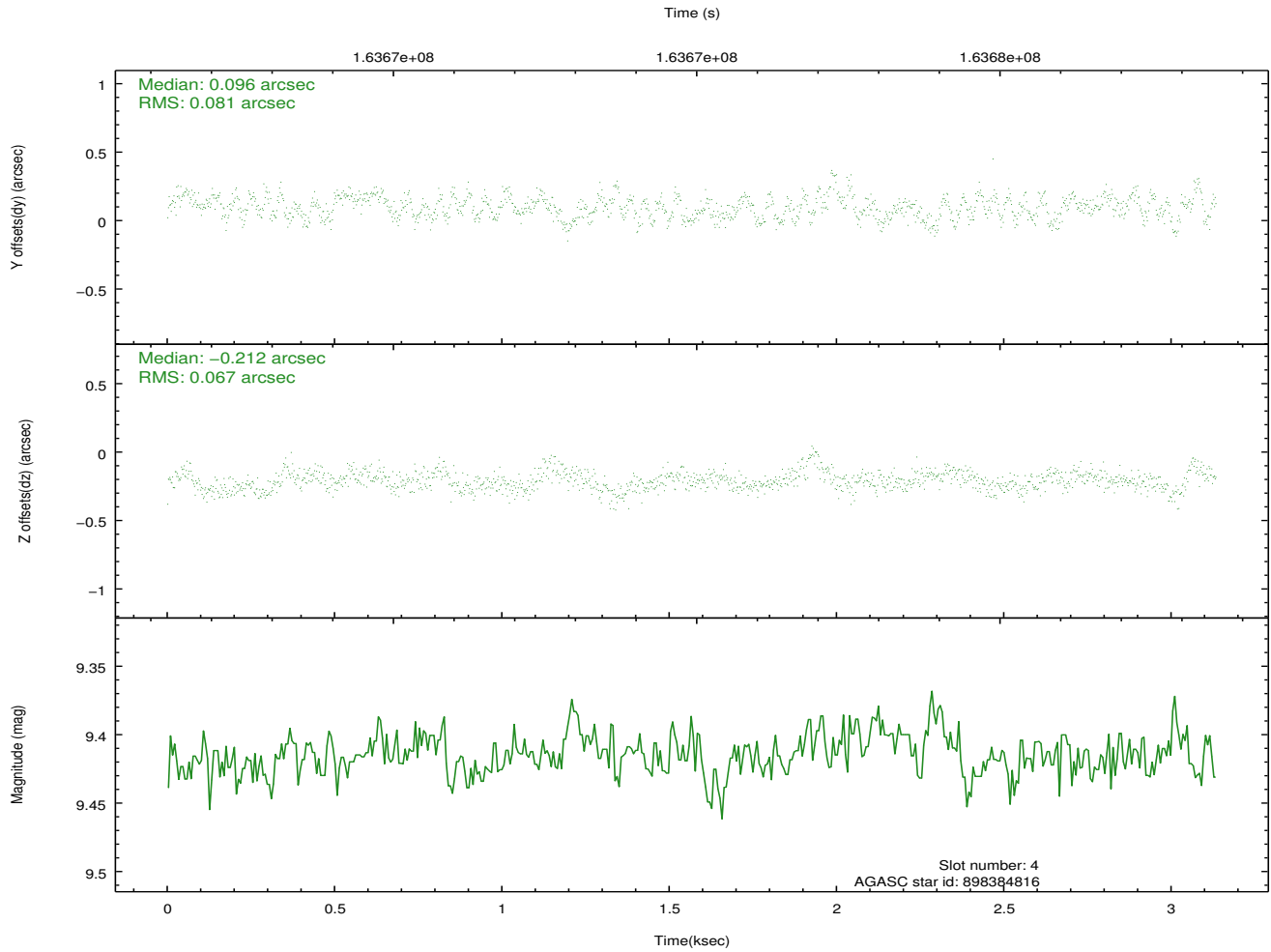
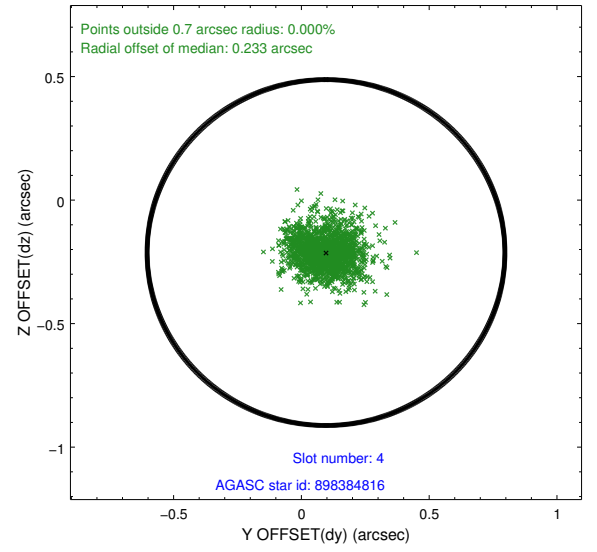
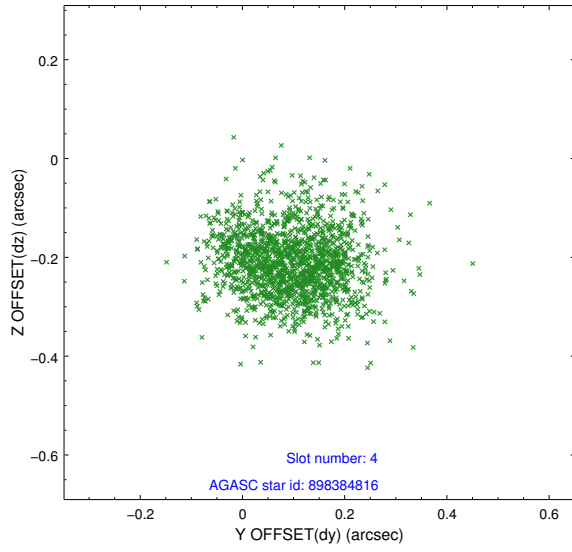
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	763	0.106	-0.121	0.012	0.022	0.000000	0.000000	-1156.57	-453.87
1	FID	HRC-S-2	7.00	765	0.114	-0.100	0.013	0.019	0.000000	0.000000	1241.58	-447.06
2	FID	HRC-S-4	6.95	765	0.178	-0.083	0.012	0.018	0.000000	0.000000	1243.35	577.68
3	GUIDE	898372848	9.89	1516	-0.130	0.025	0.130	0.210	271.894926	-28.974283	1604.61	-447.79
4	GUIDE	898384816	9.41	1529	0.096	-0.212	0.110	0.180	271.272338	-29.735589	-1069.78	1593.40
5	GUIDE	898524880	7.79	1528	-0.263	0.153	0.085	0.135	272.217112	-28.755385	2354.05	-1490.65
6	GUIDE	898528696	9.19	1528	0.082	0.266	0.092	0.151	272.481427	-29.663027	-940.91	-2194.59
7	GUIDE	968756824	9.45	1528	0.215	-0.237	0.129	0.203	271.090669	-30.049484	-2184.45	2191.92

2.4 Star Slots

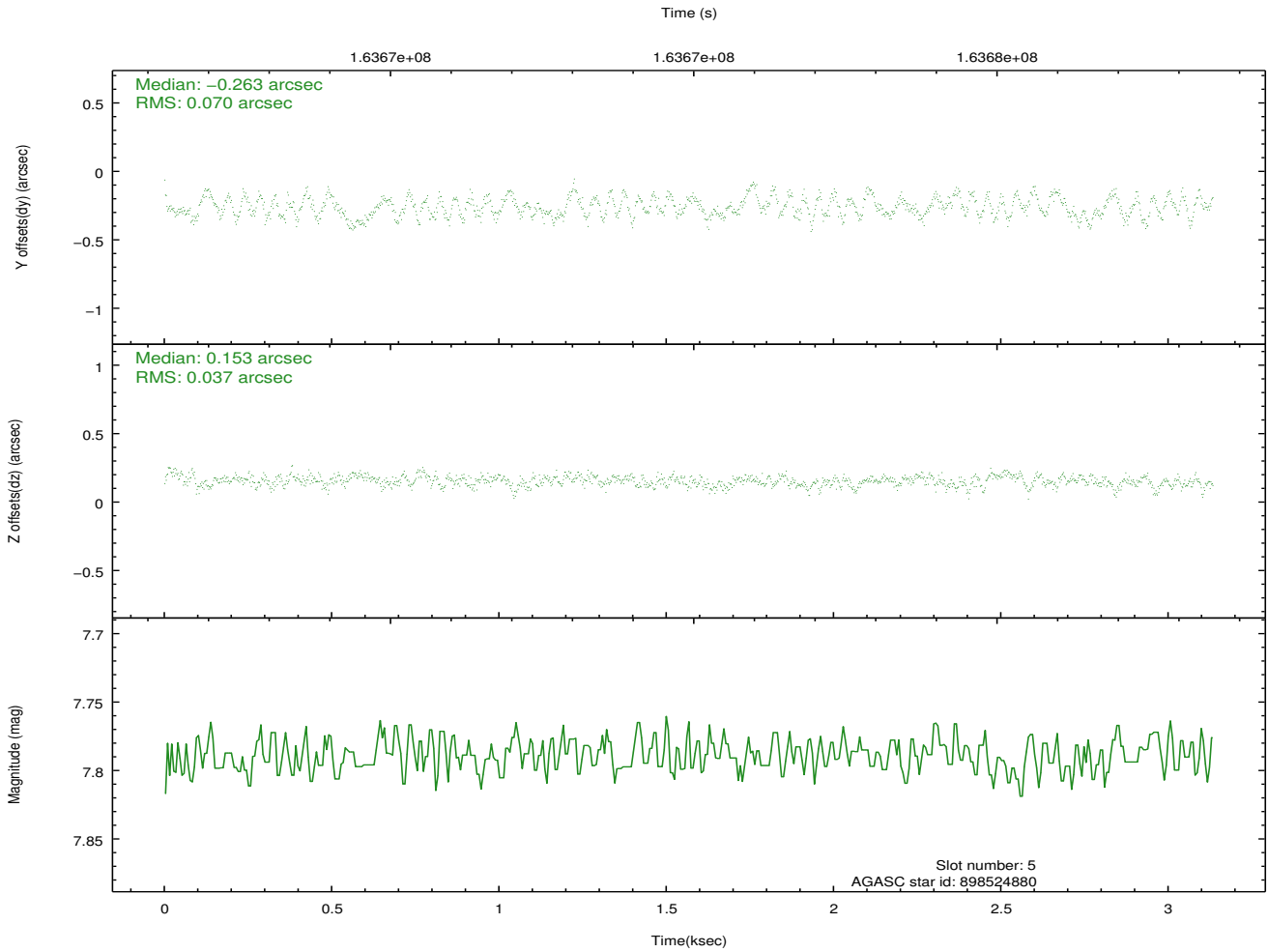
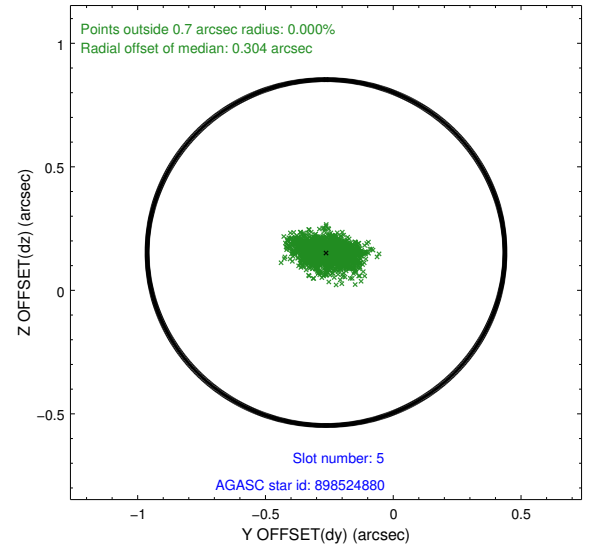
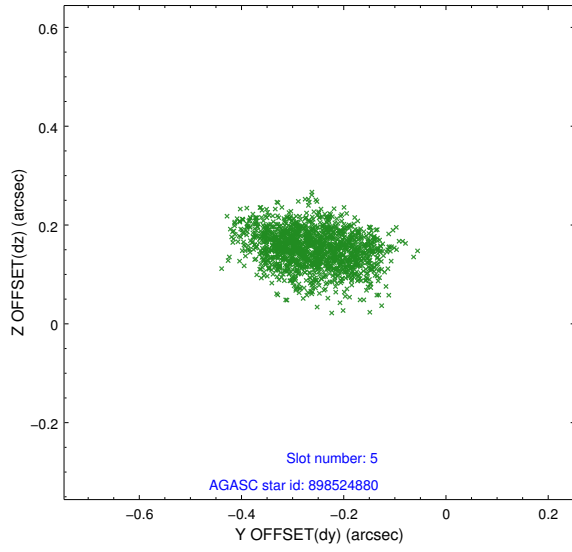
2.4.1 Slot 3



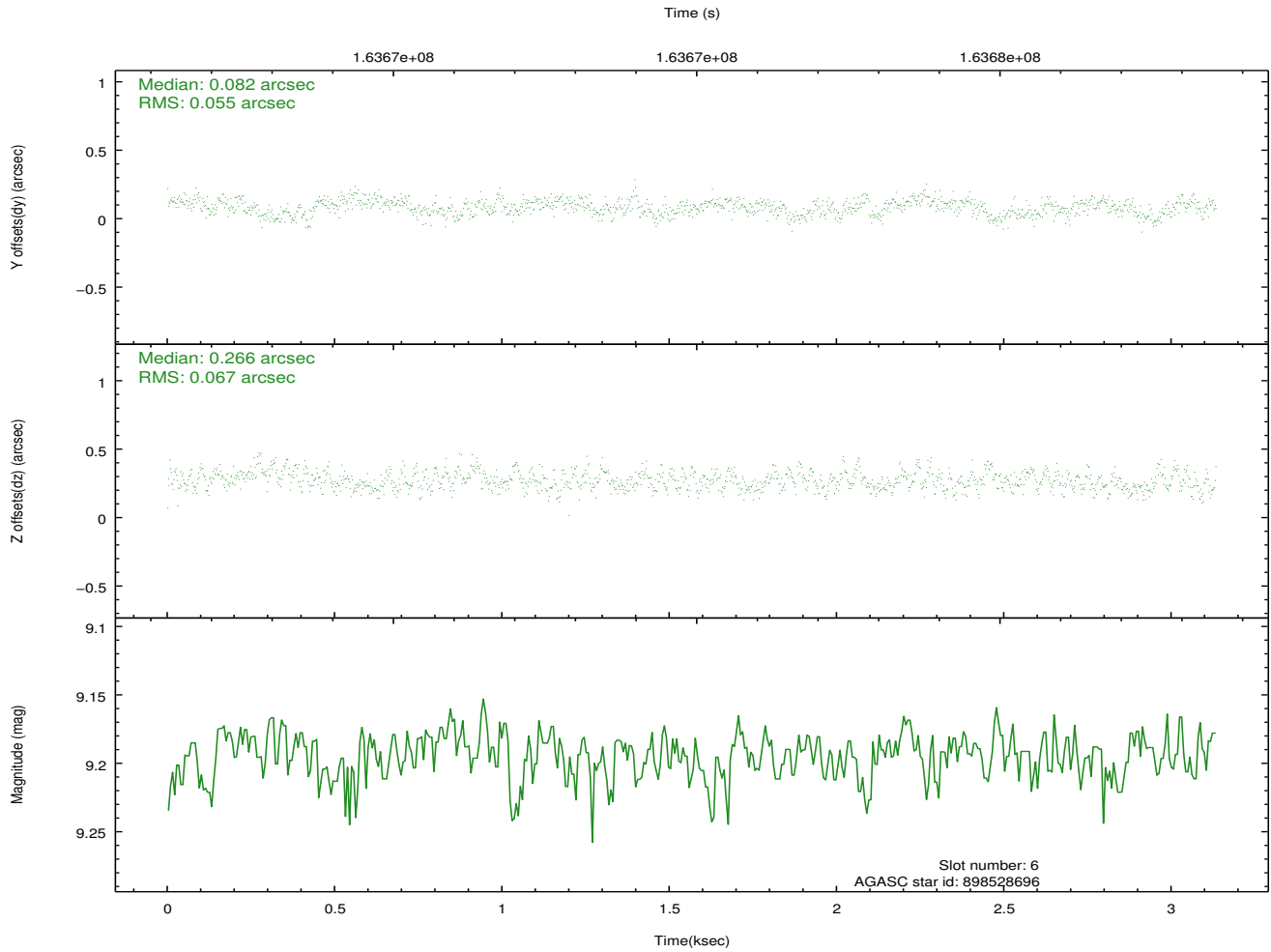
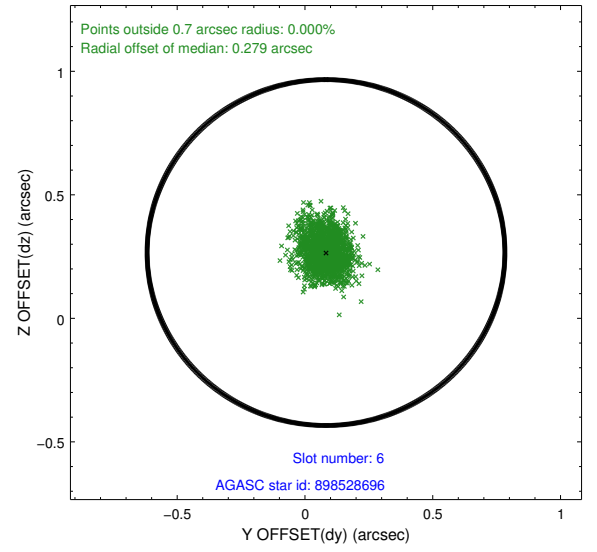
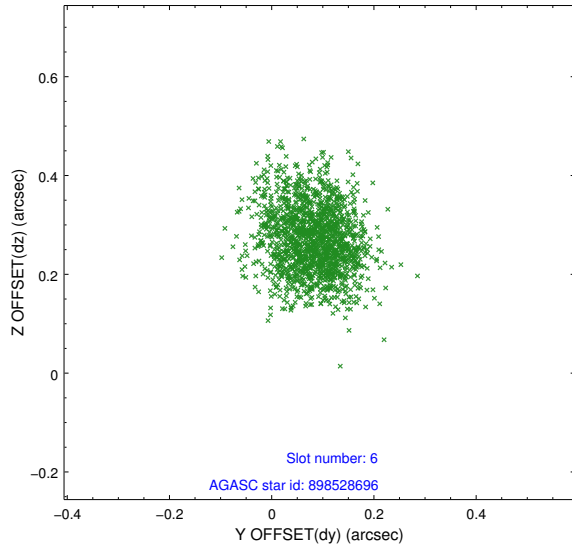
2.4.2 Slot 4



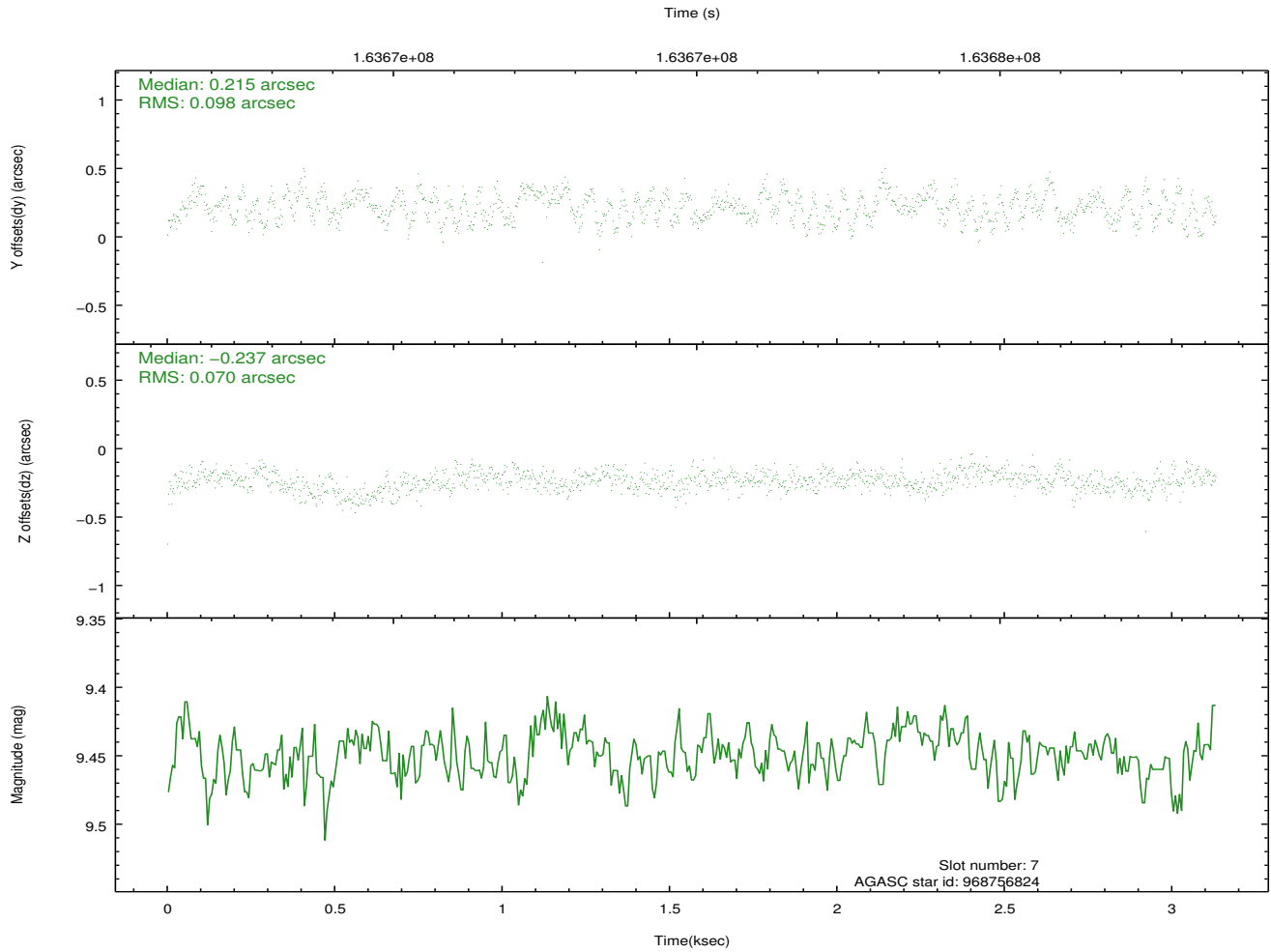
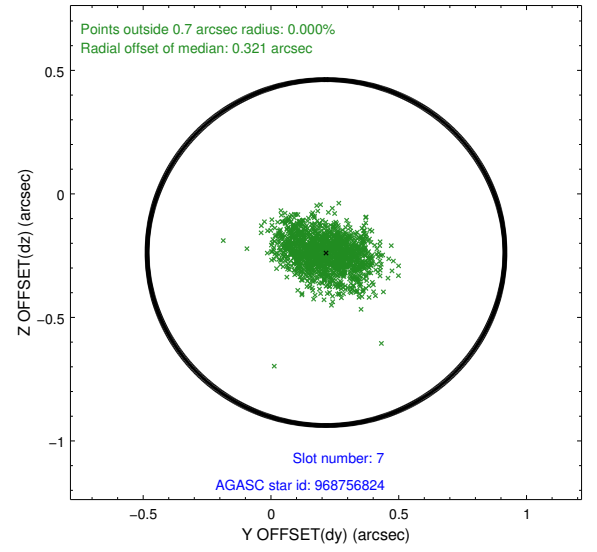
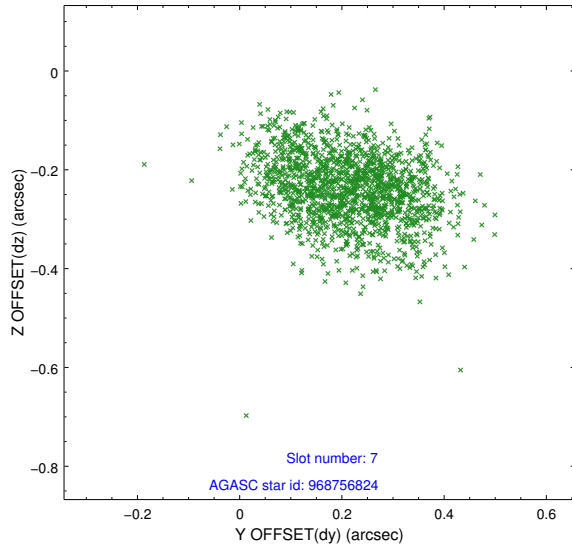
2.4.3 Slot 5



2.4.4 Slot 6

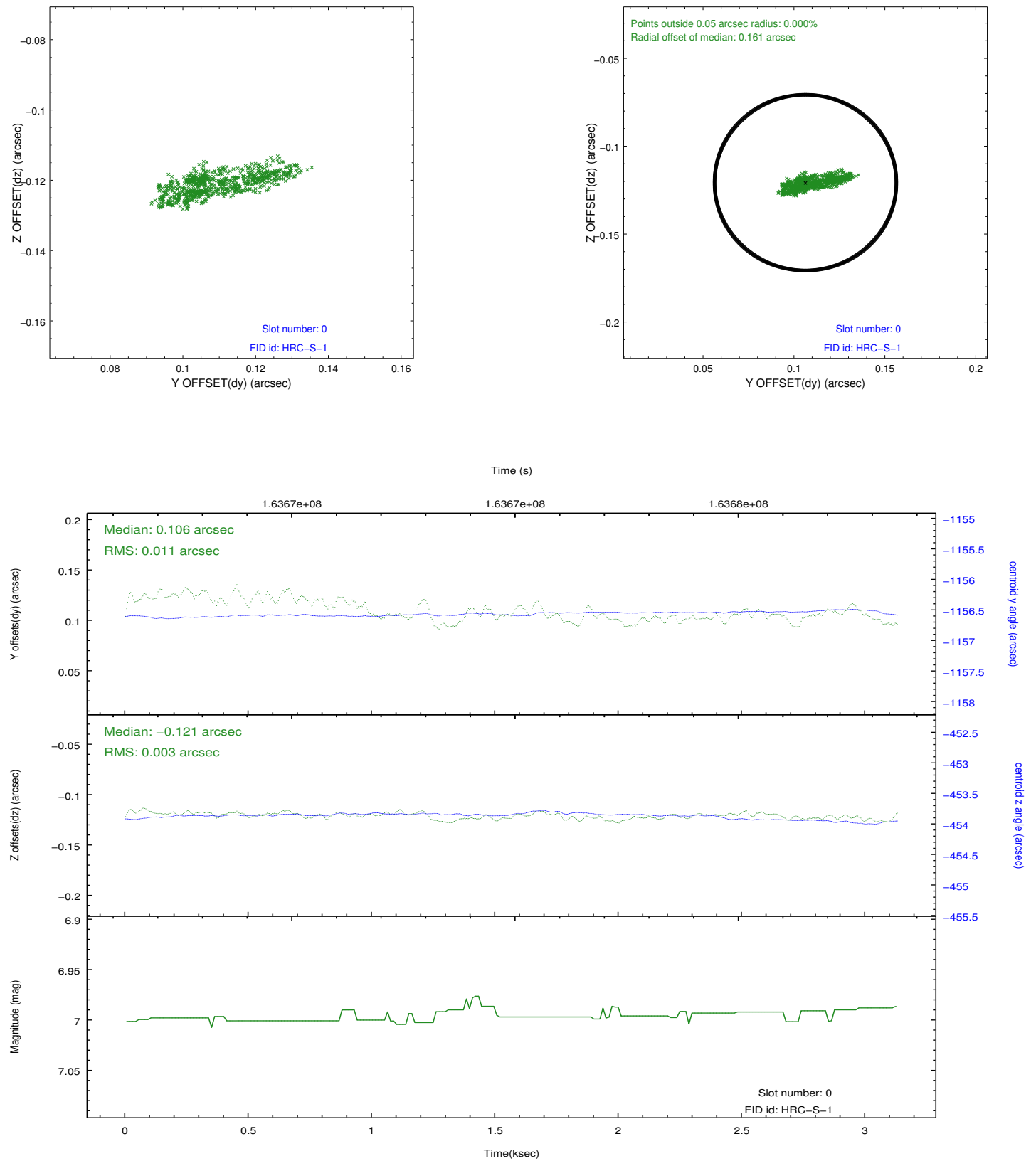


2.4.5 Slot 7

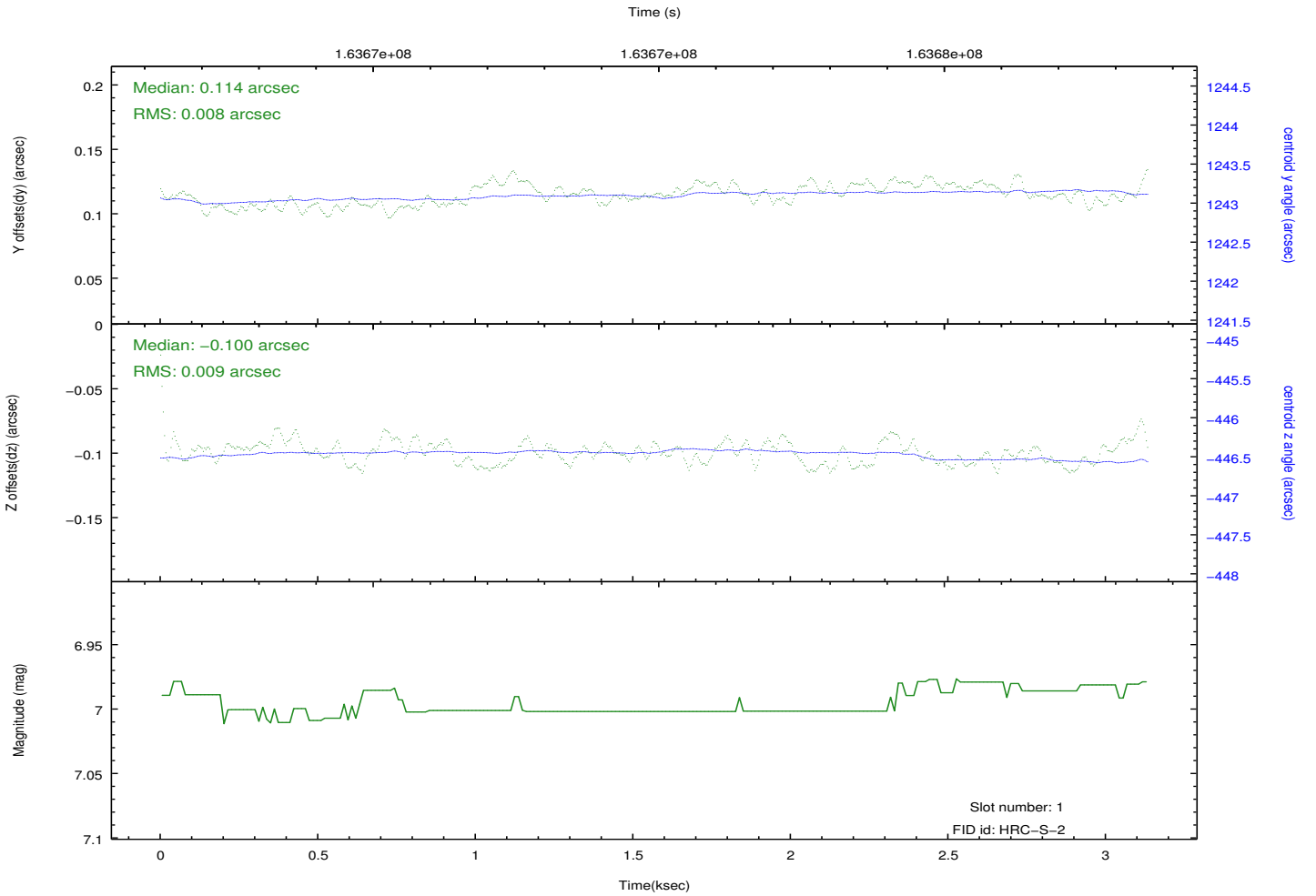
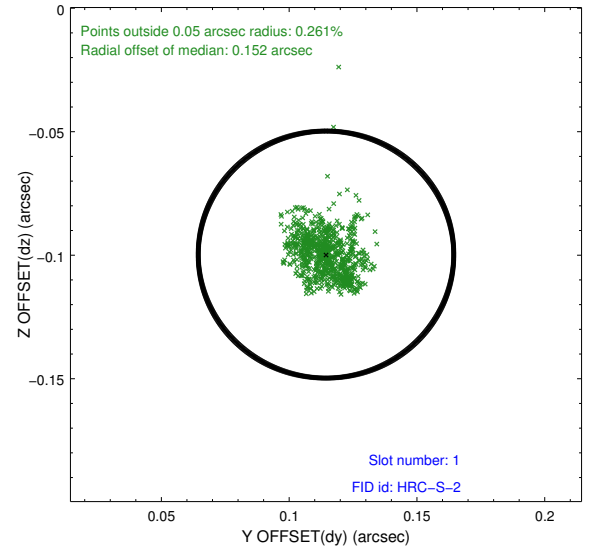
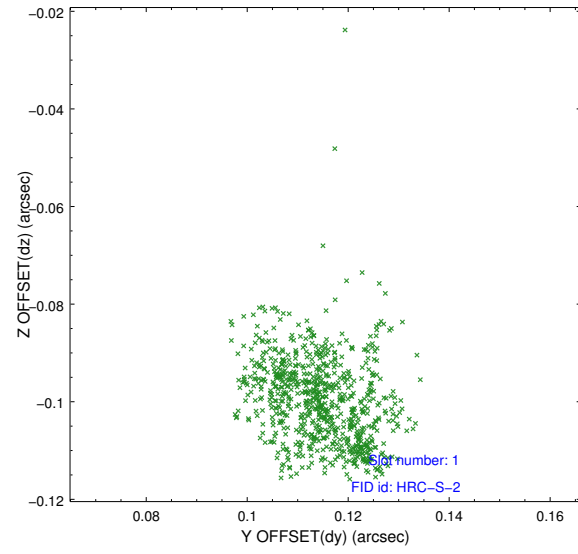


2.5 FID Slots

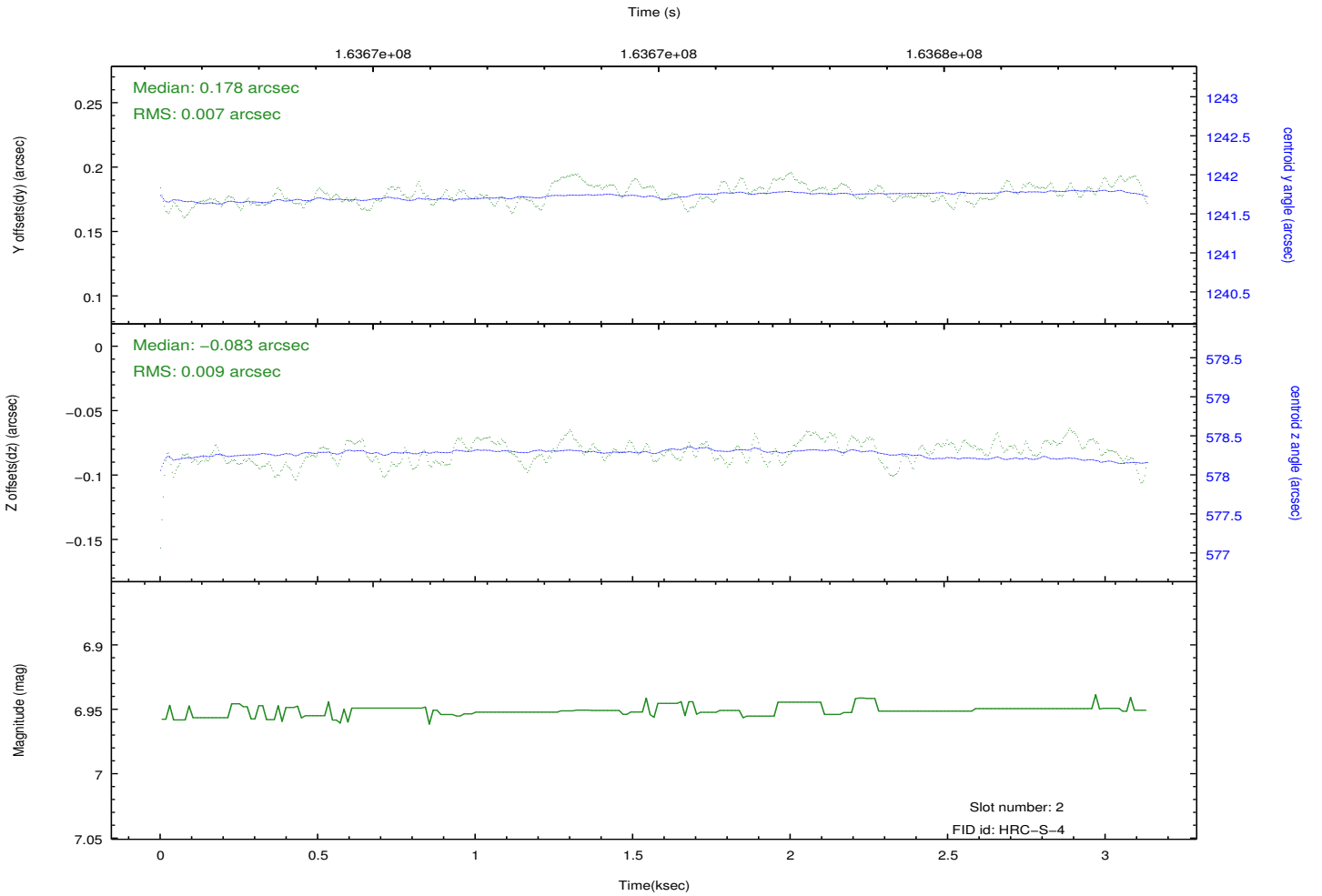
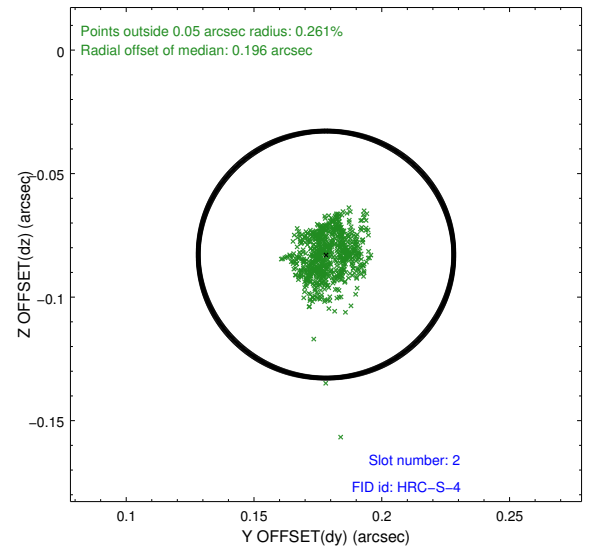
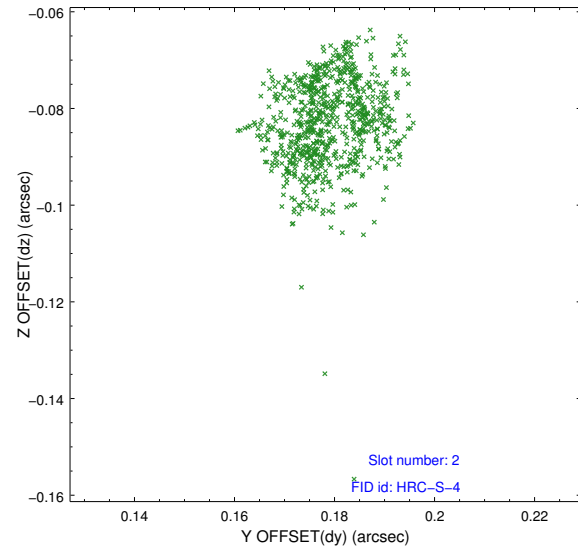
2.5.1 Slot 0



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	2.824

A.2 Comments