

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9680 - L2 Version 3
Chandra X-Ray Center

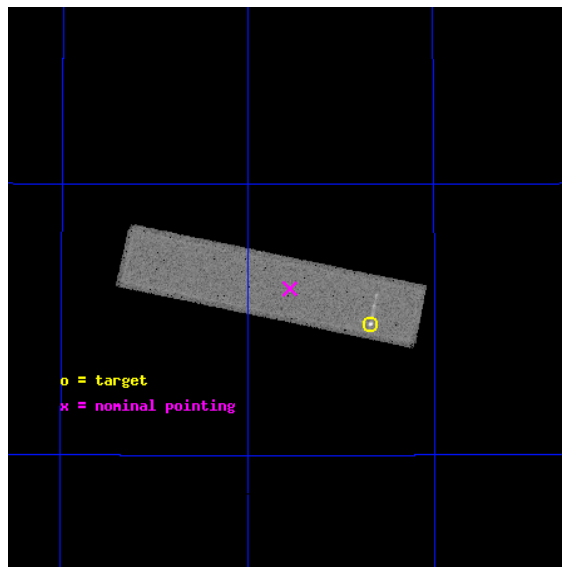
L2 Processing Date : Aug 12 2012

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	290803	Sequence number
obs_id	9680	Observation id
title	AO9 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
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	332.38654801794	Nominal RA [deg]
dec_nom	45.807387808453	Nominal Dec [deg]
roll_nom	191.53440538334	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1329.6813153028	[s]
livetime	1317.9646310882	Ontime multiplied by DTCOR
l2events	82931	Number of level 2 events

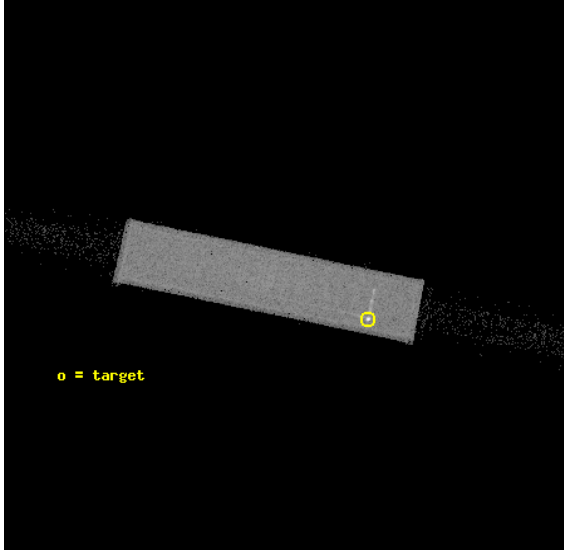


2 OBI

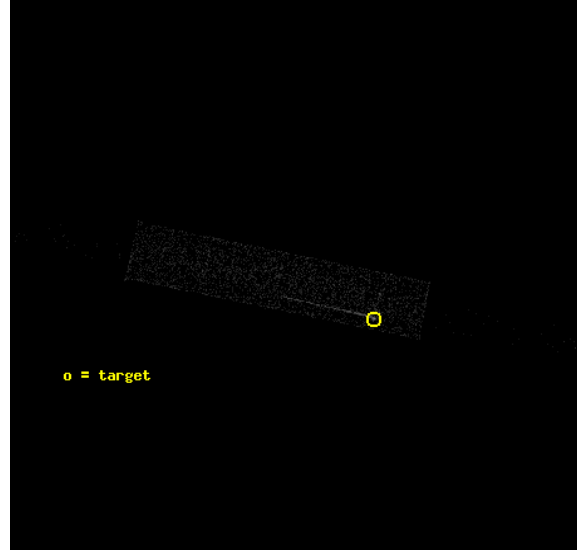
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1329.6813153028	[s]
caldsver	4.5.1.1	 	l1events	128072	Number of level 1 events
date	2012-08-12T18:01:21	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

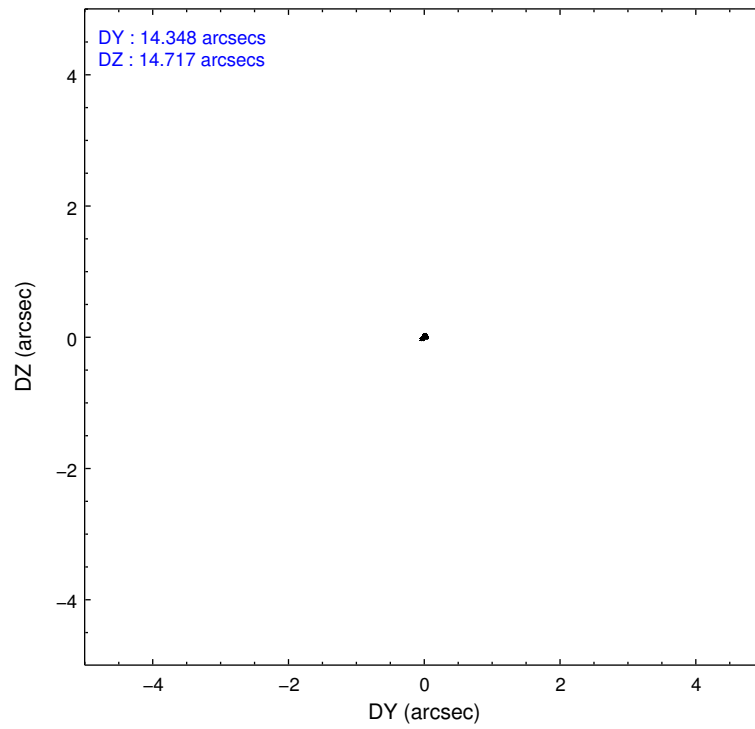
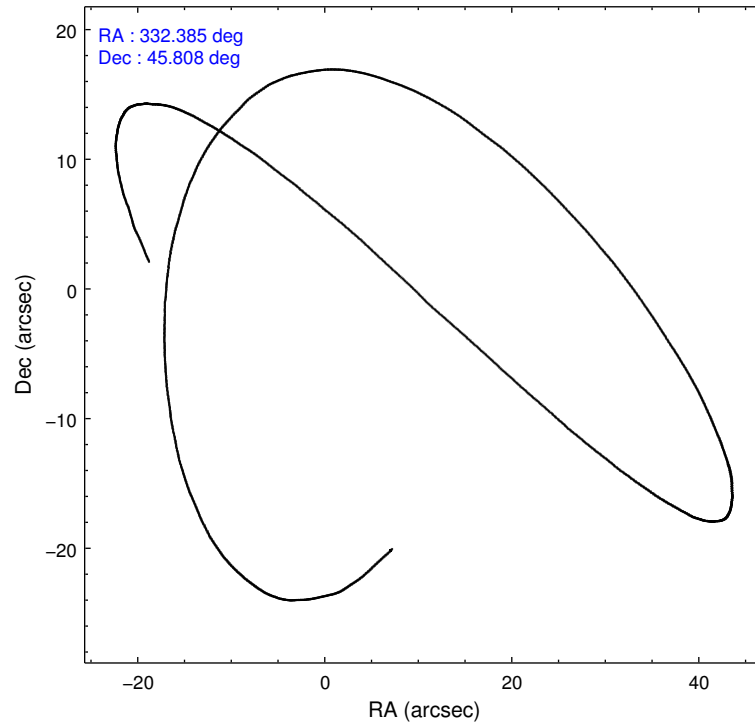
	segment 1	segment 2	segment 3
level 1 events	969	126185	918
rejected events	969	26605	918
rejected %	100%	21%	100%

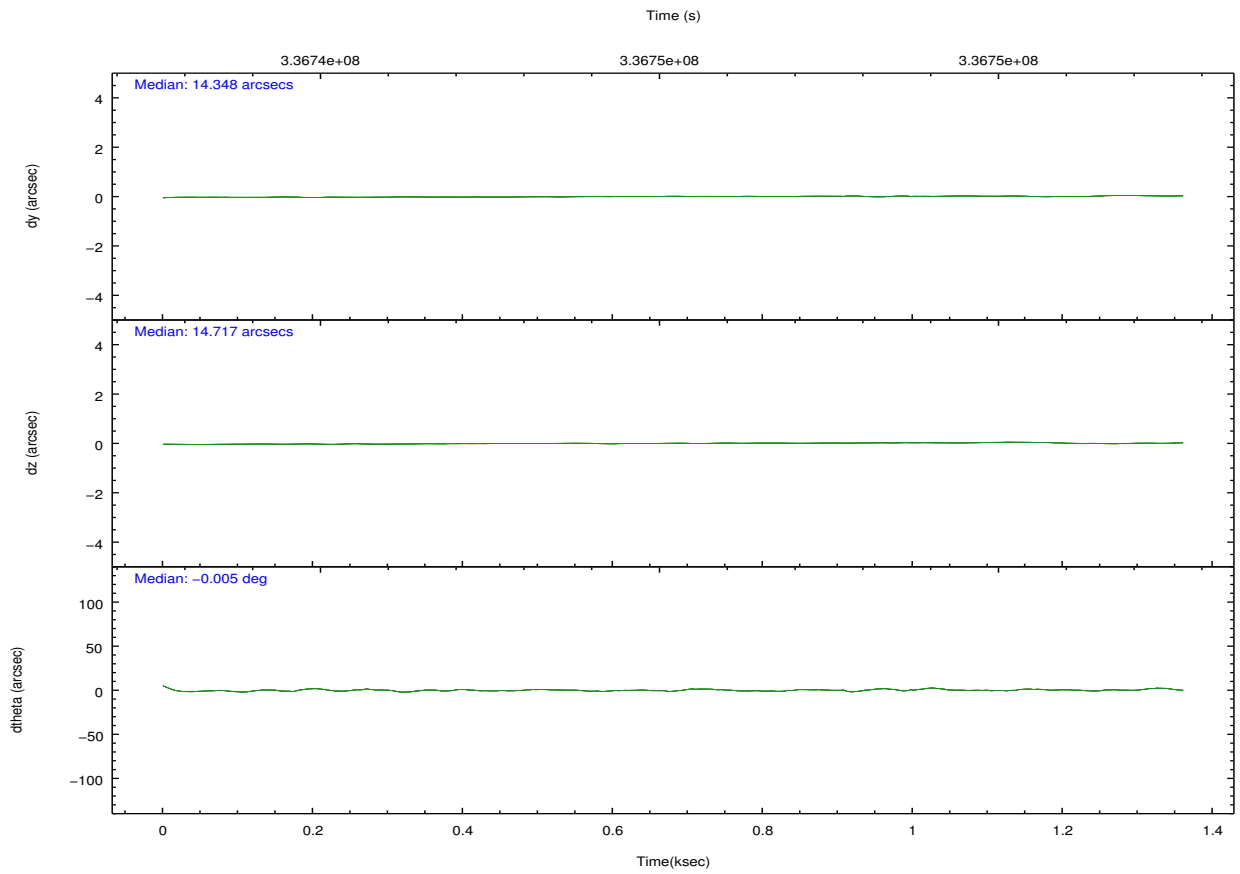
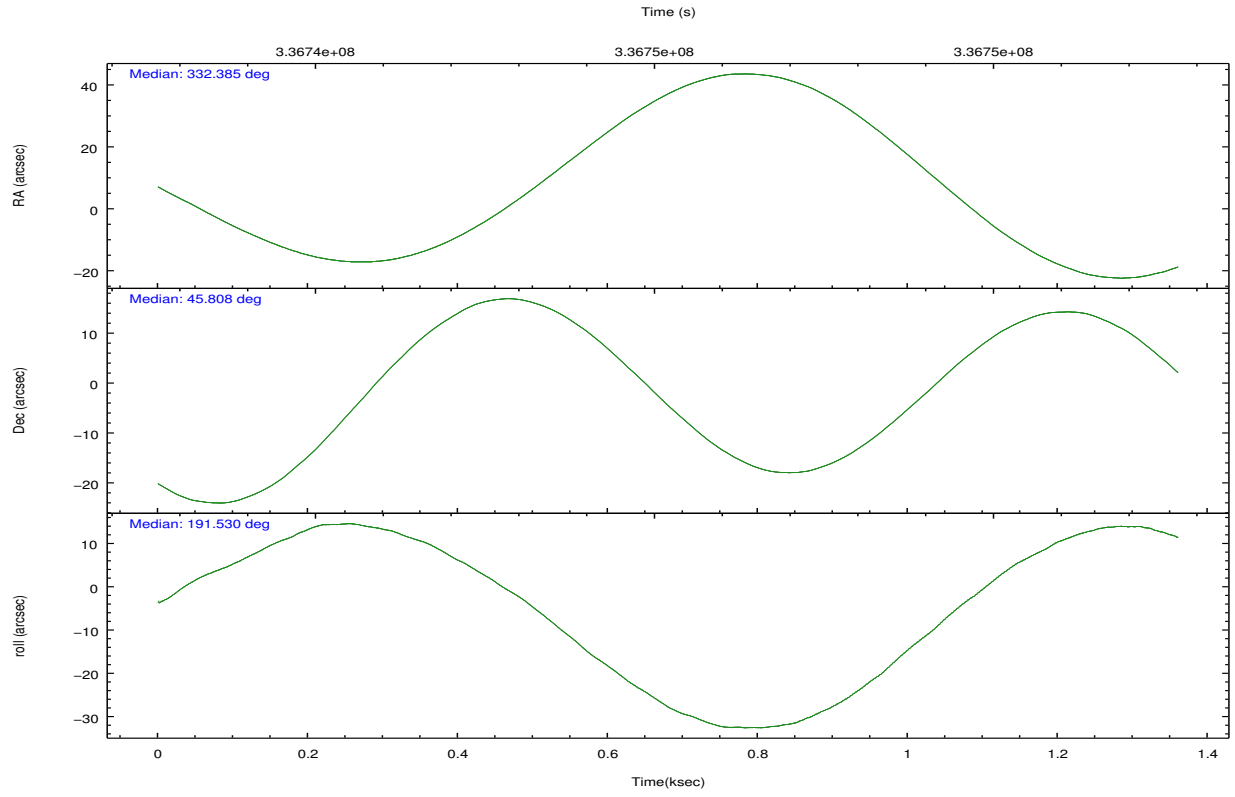
2.2 Compared Parameters

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	332.417285	332.38654801794
[deg] Pointing Dec	45.827501	45.80738780845308
[deg] Pointing Roll	191.444999	191.5344053833367
[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)	336745013.184000	336744636.77182
Observation start date	2008-09-02T12:15:48	2008-09-02T12:10:36
[s] Observation end time (MET)	336746193.184000	336746326.9969
Observation end date	2008-09-02T12:35:28	2008-09-02T12:38:46

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

2.3 Aspect



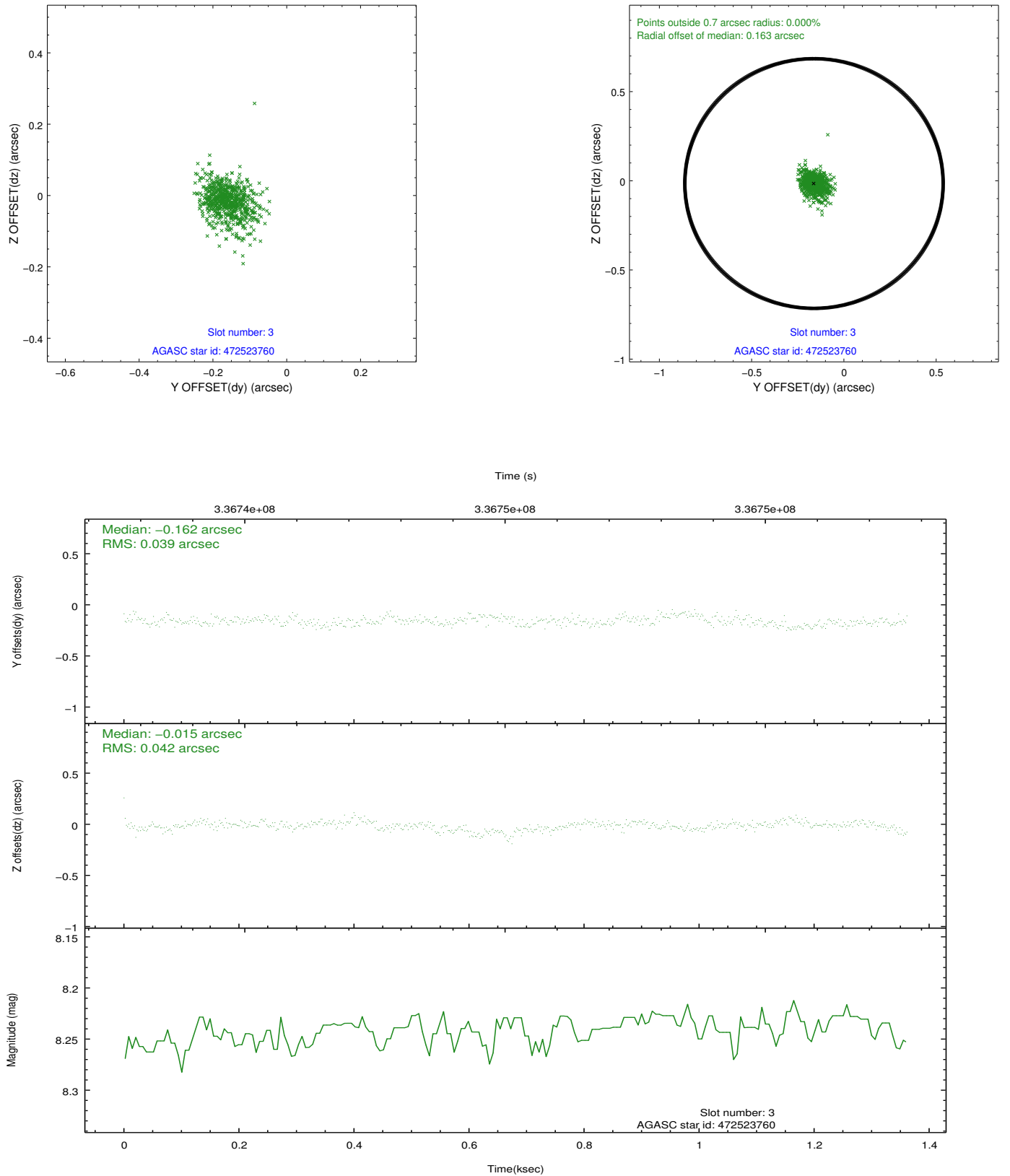


Slot Statistics

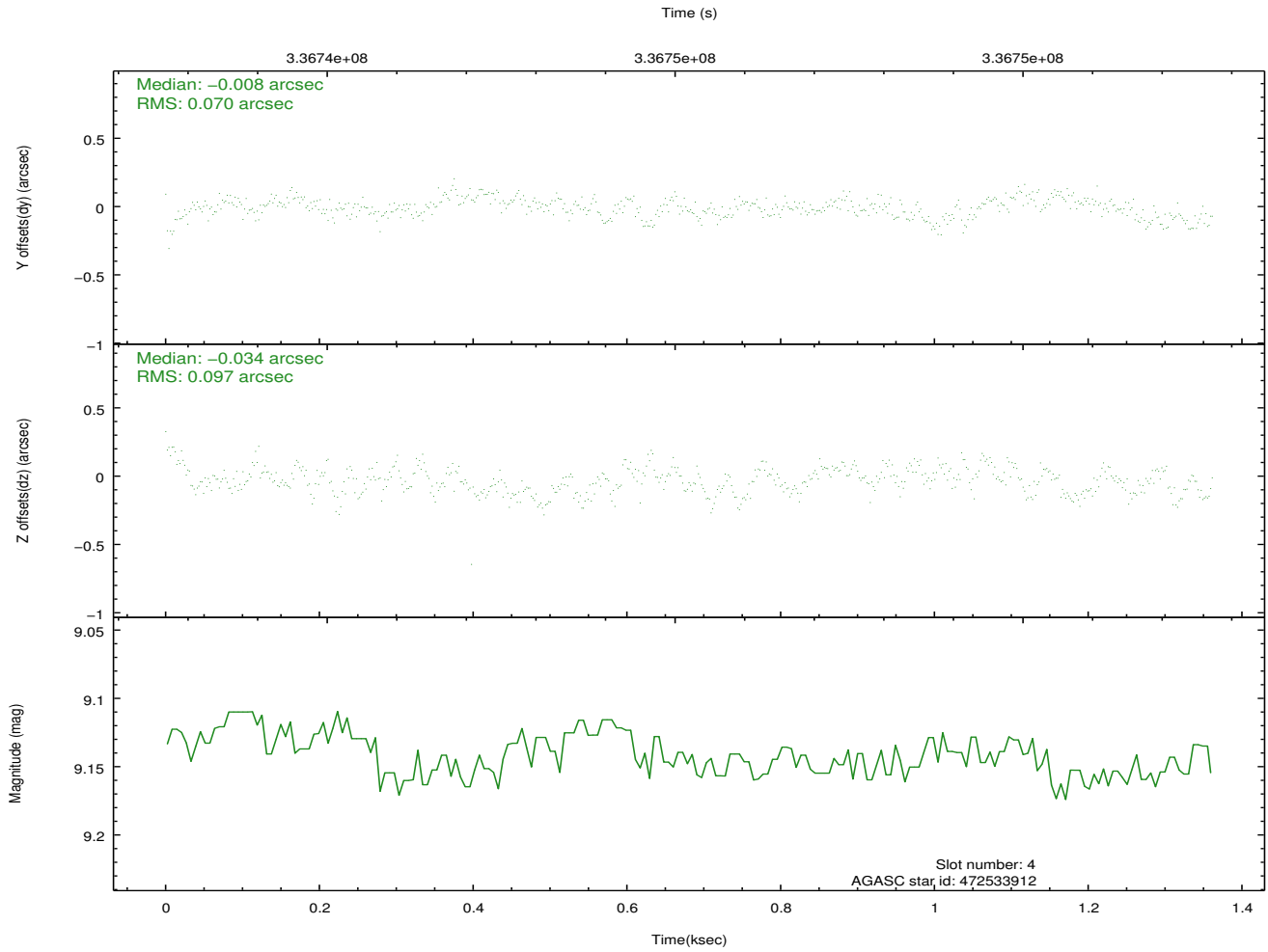
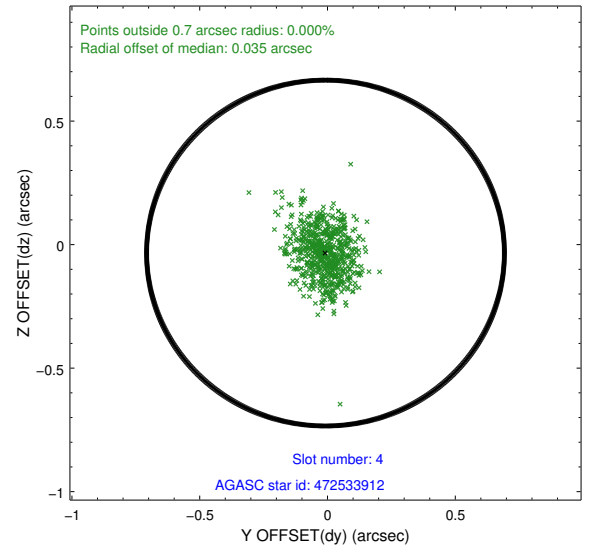
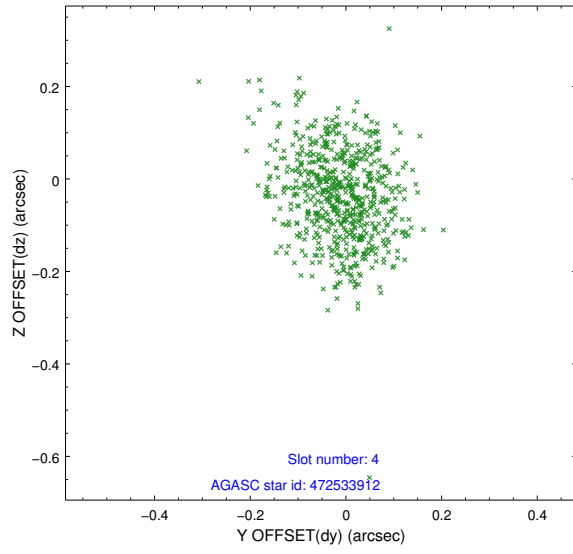
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	332	0.032	-0.136	0.005	0.013	0.000000	0.000000	-1168.75	-463.57
1	FID	HRC-S-2	7.00	332	0.159	-0.131	0.010	0.019	0.000000	0.000000	1227.51	-457.52
2	FID	HRC-S-4	6.96	331	0.213	-0.037	0.009	0.018	0.000000	0.000000	1233.34	567.30
3	GUIDE	472523760	8.24	665	-0.162	-0.015	0.058	0.104	331.645363	45.403260	2210.57	1101.50
4	GUIDE	472533912	9.14	665	-0.008	-0.034	0.128	0.199	331.791136	46.368695	1137.47	-2221.78
5	GUIDE	472535576	7.88	665	-0.098	0.010	0.065	0.118	331.438373	46.291802	2051.13	-2138.59
6	GUIDE	472655152	9.45	665	0.139	0.049	0.111	0.173	332.504239	45.862991	-238.61	-84.49
7	GUIDE	472665256	9.01	664	0.127	0.006	0.085	0.135	332.808125	46.195041	-1220.49	-1105.49

2.4 Star Slots

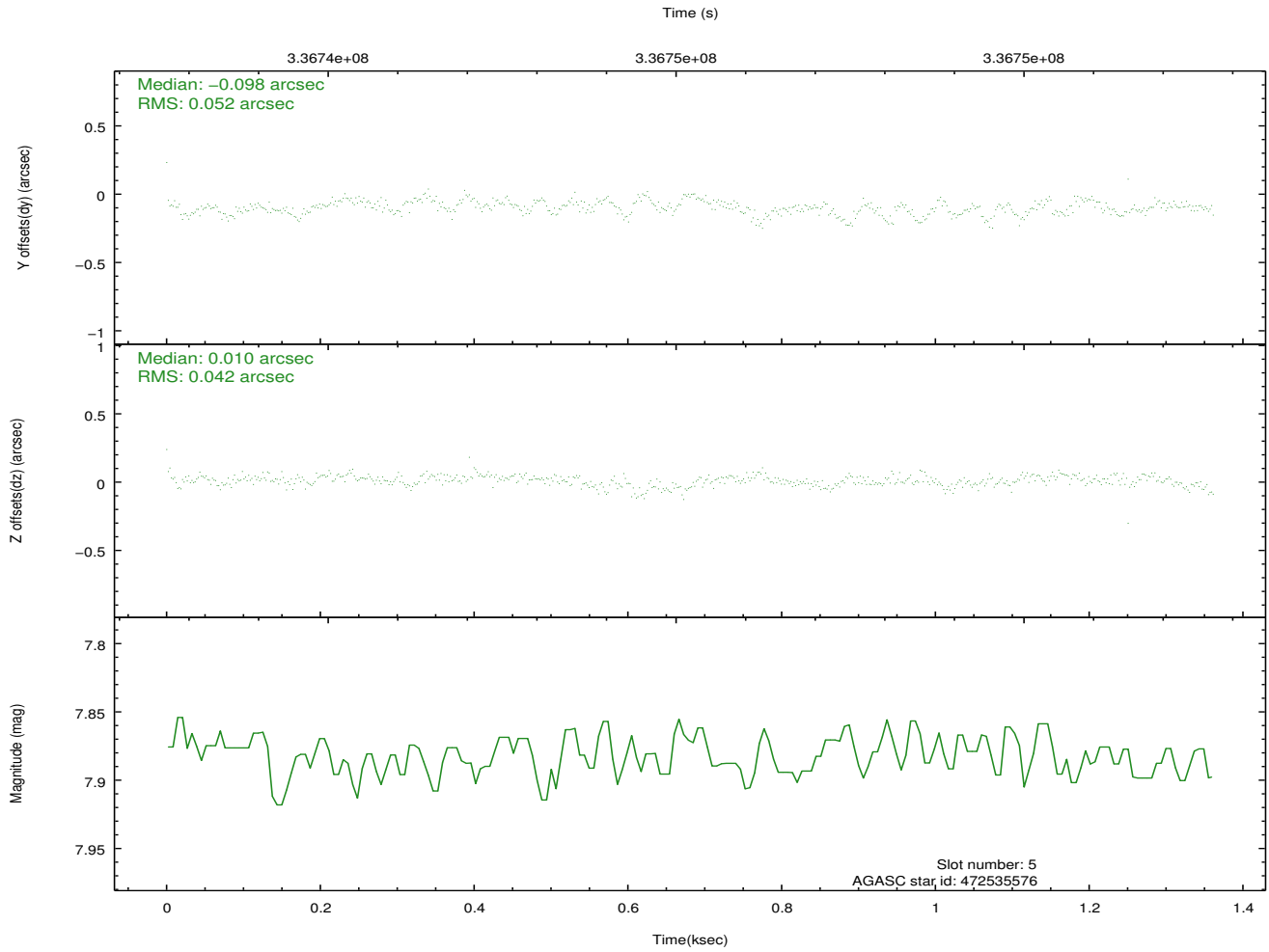
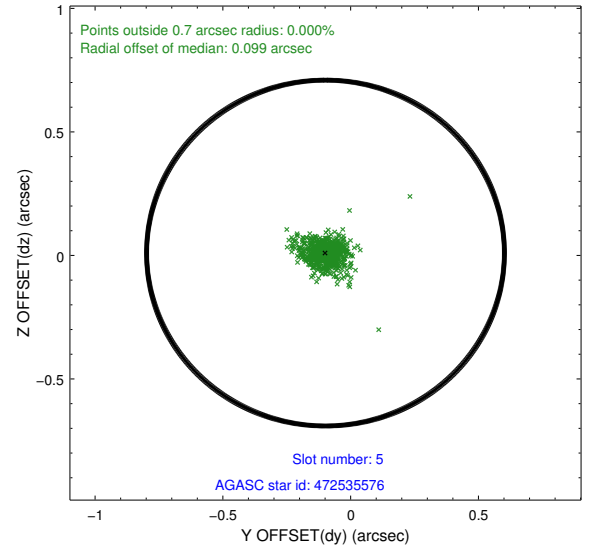
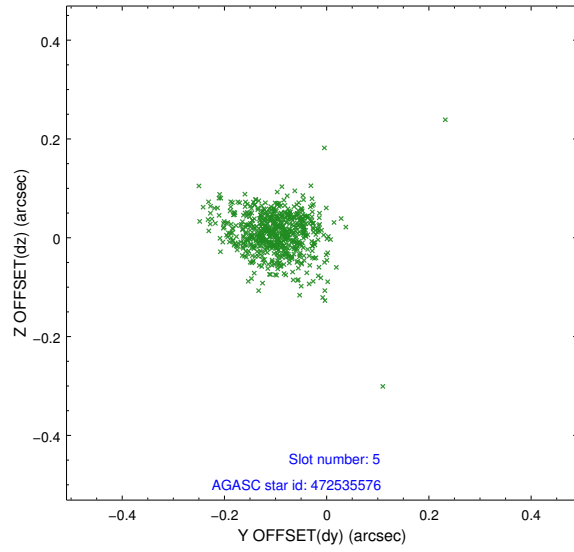
2.4.1 Slot 3



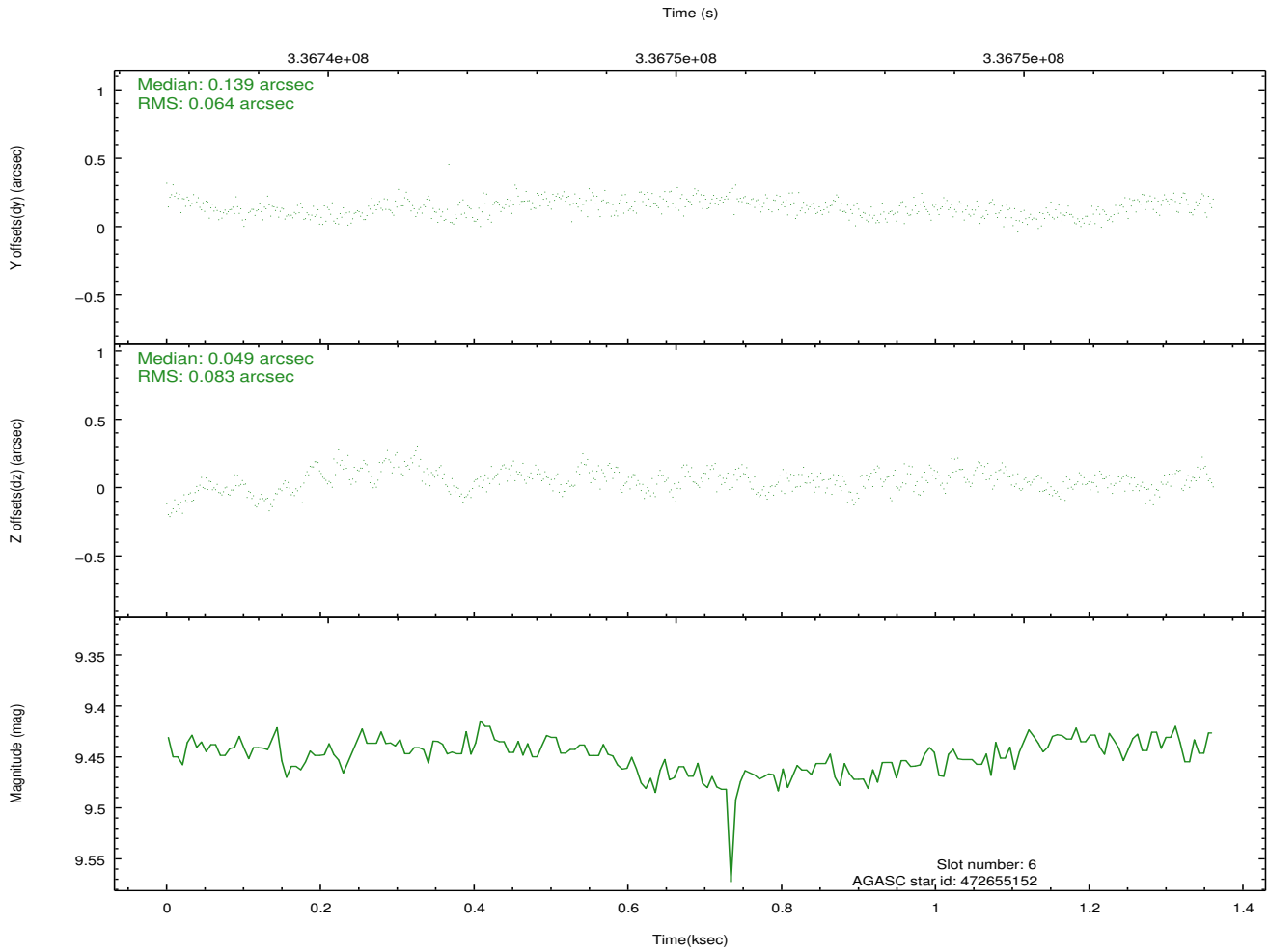
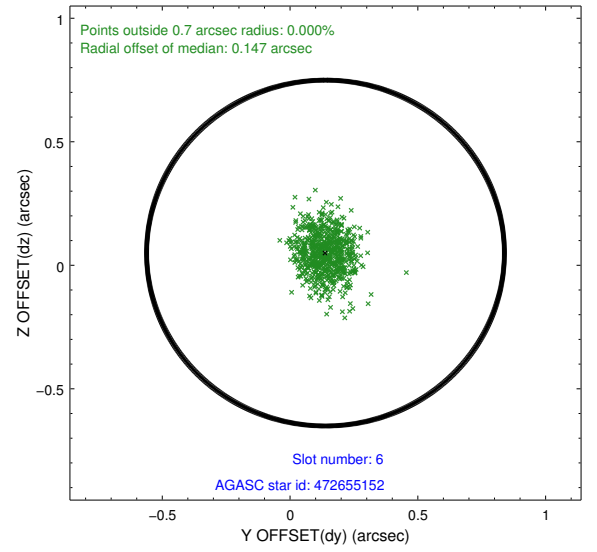
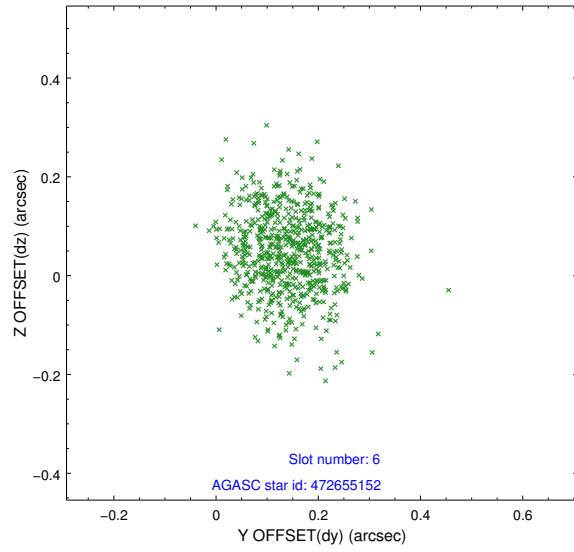
2.4.2 Slot 4



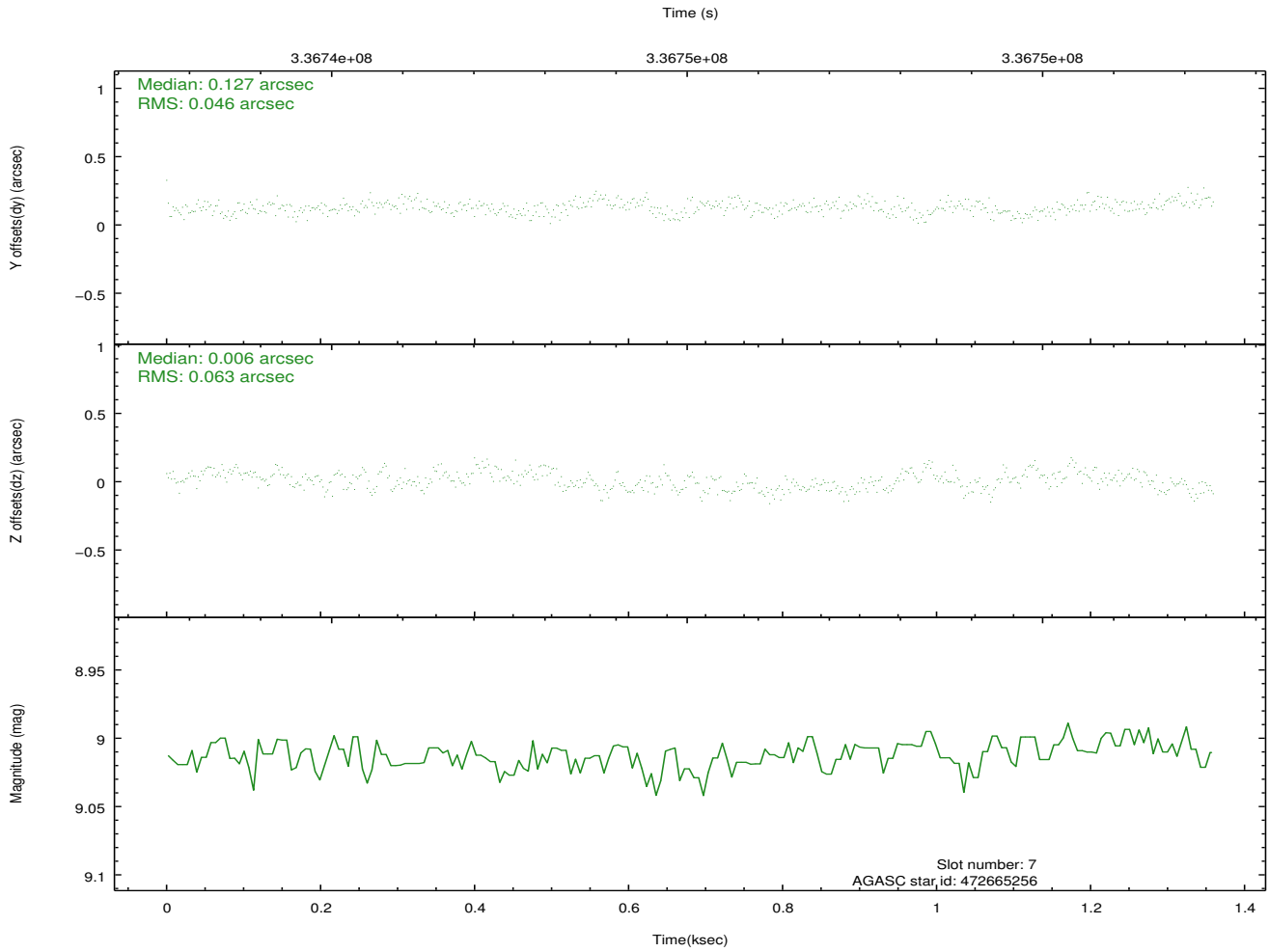
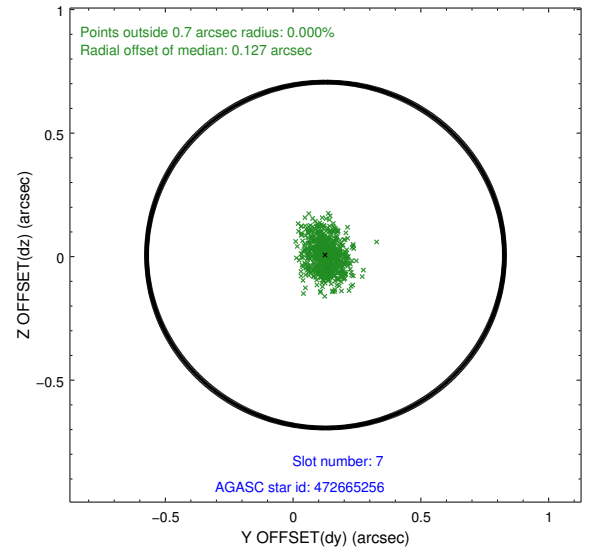
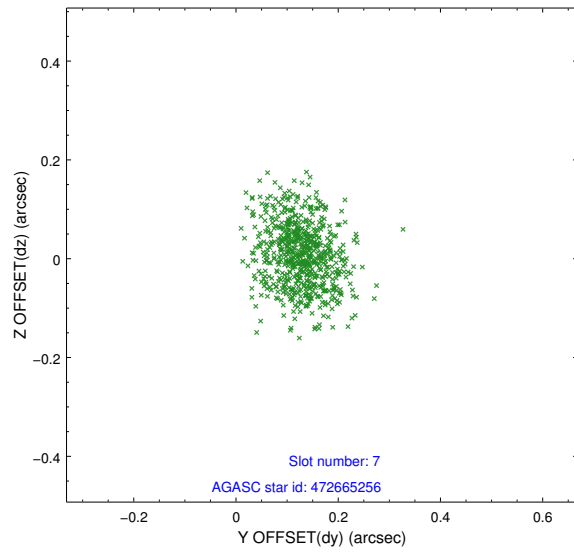
2.4.3 Slot 5



2.4.4 Slot 6

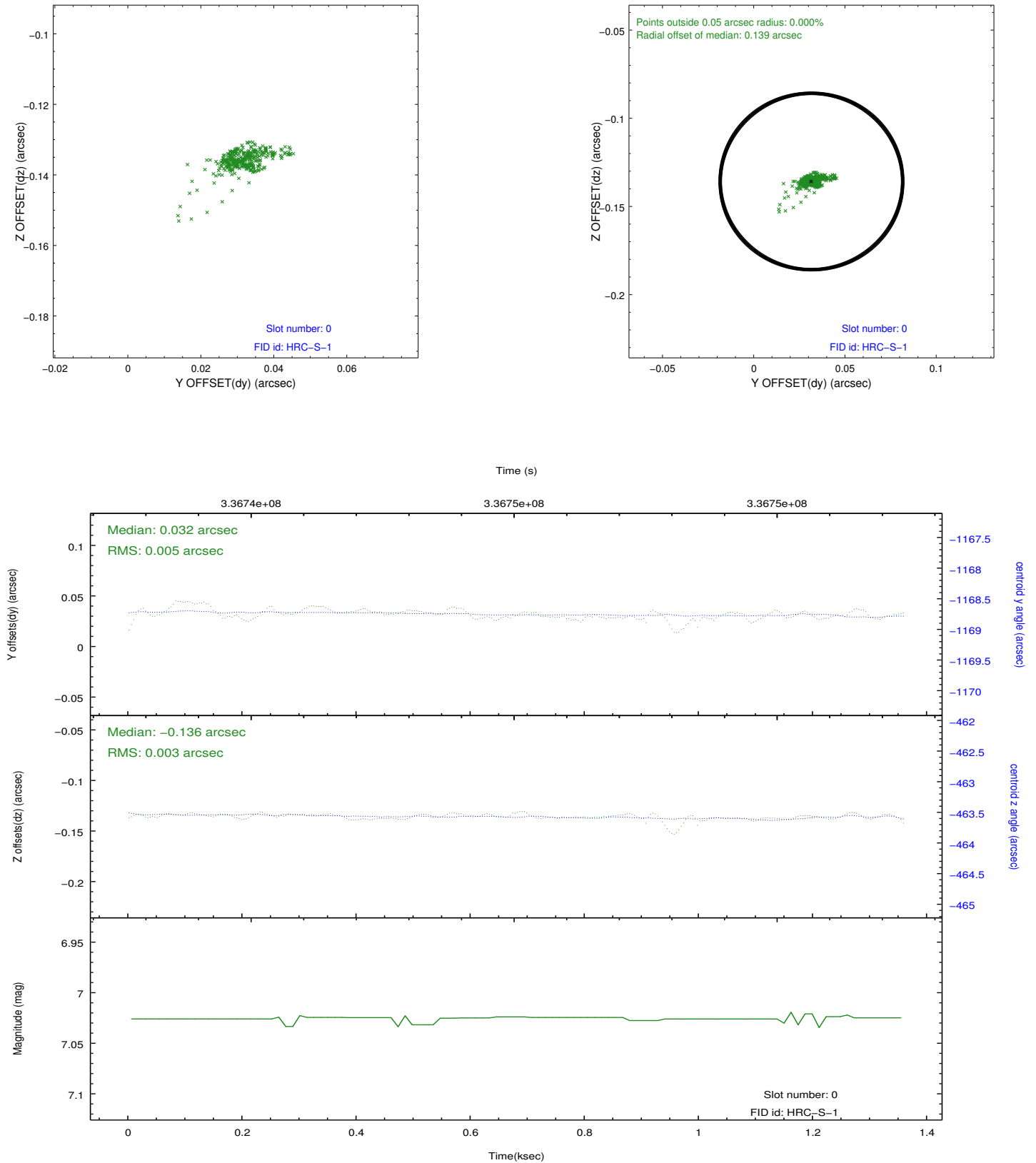


2.4.5 Slot 7

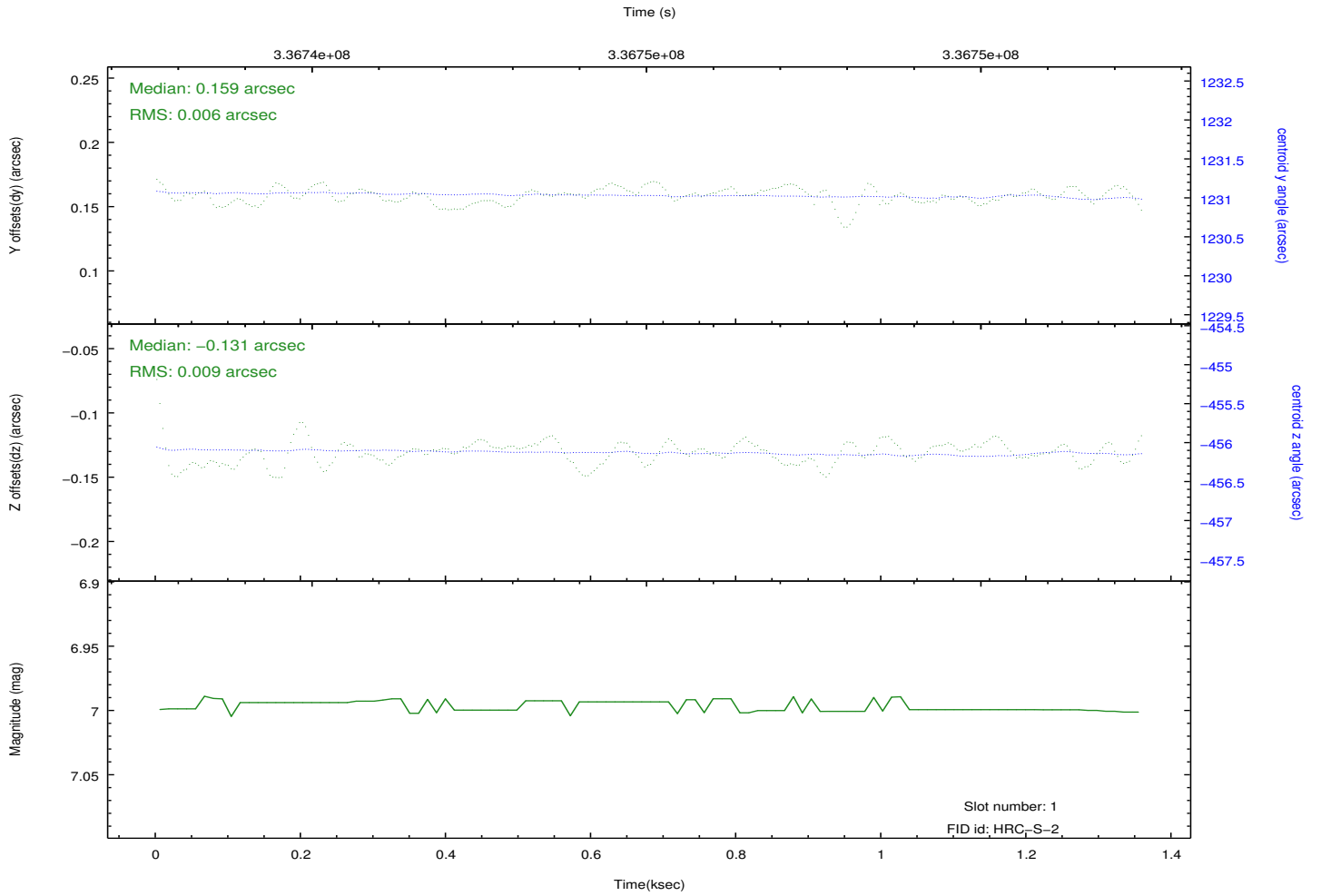
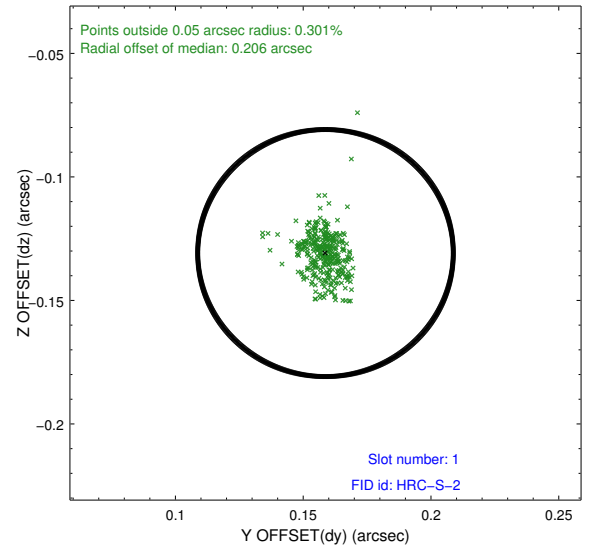
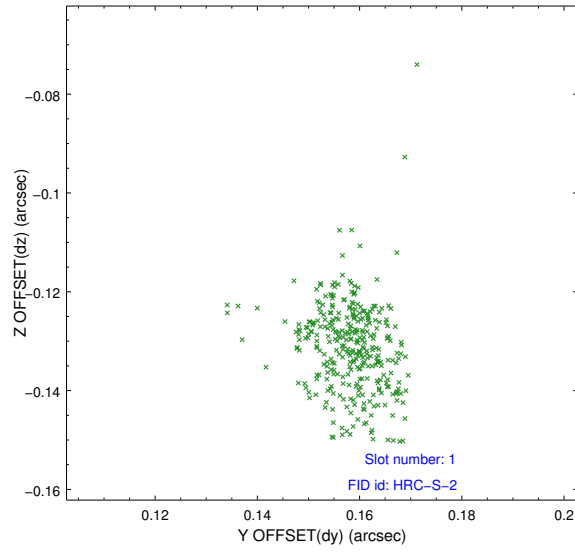


2.5 FID Slots

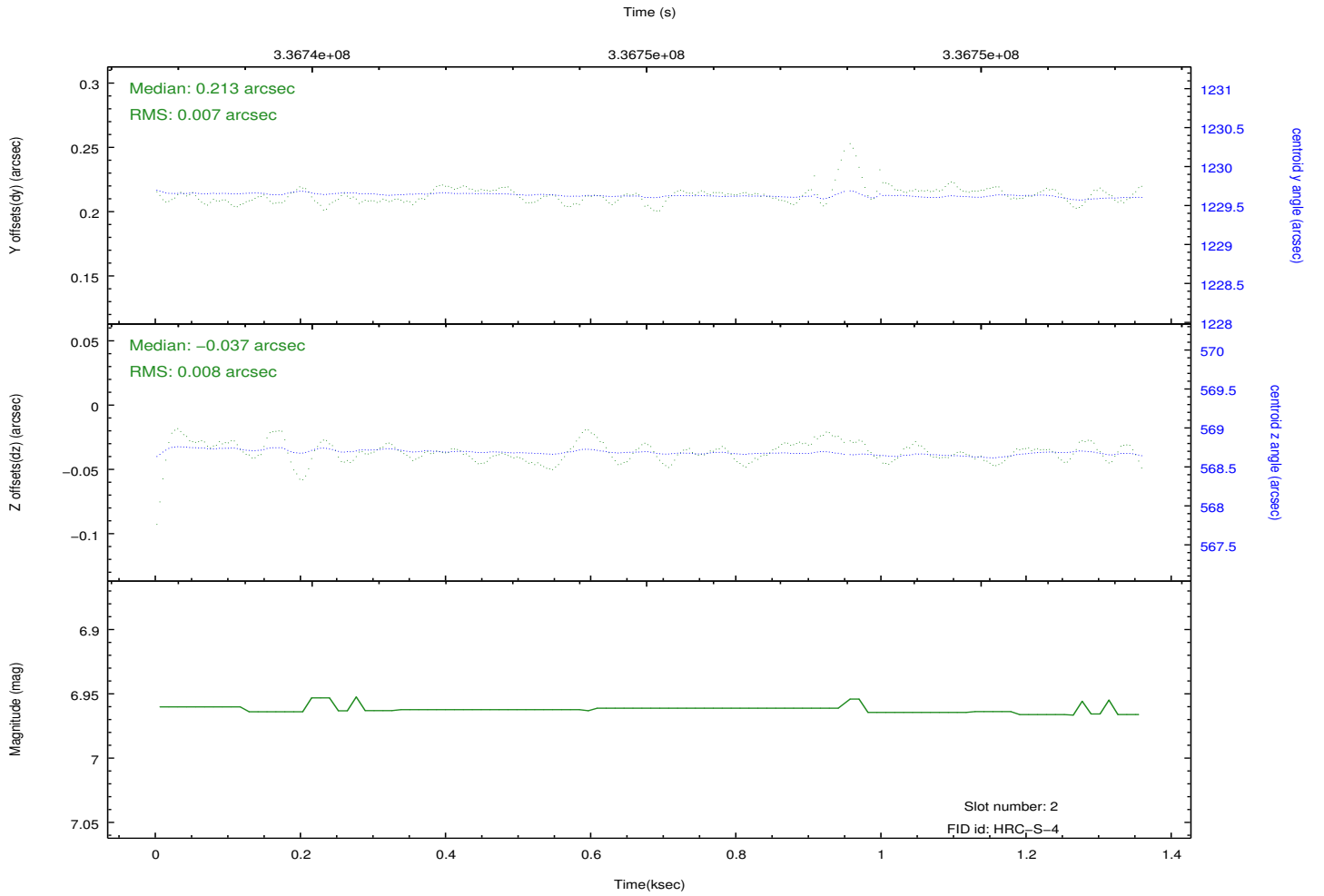
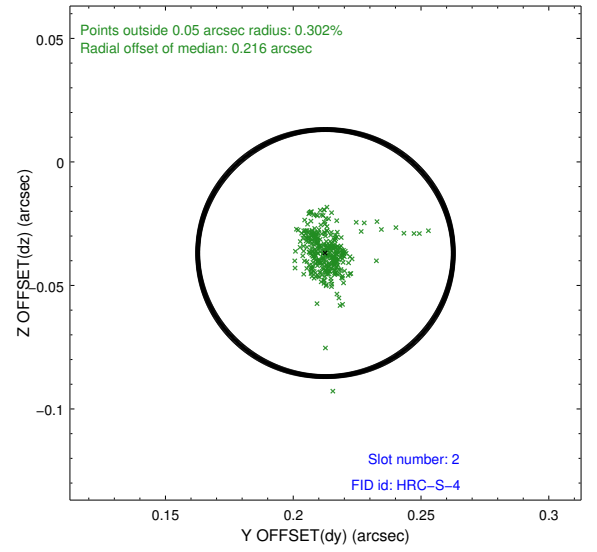
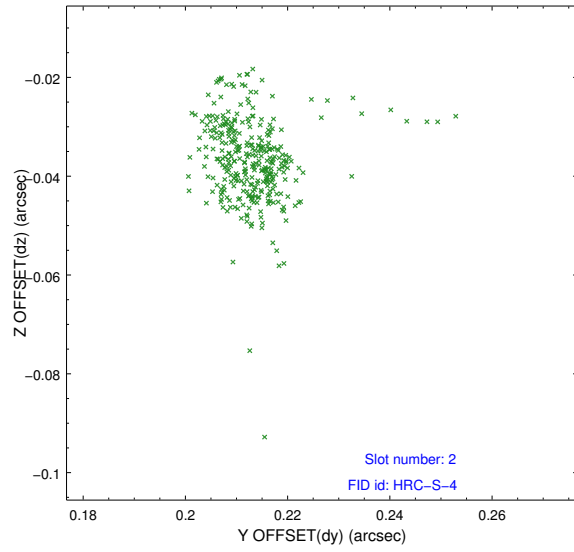
2.5.1 Slot 0



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)	2012.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.32968131

A.2 Comments