

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6554 - L2 Version 4
Chandra X-Ray Center

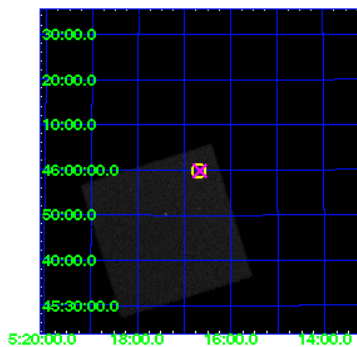
L2 Processing Date : Aug 10 2012

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1 Front

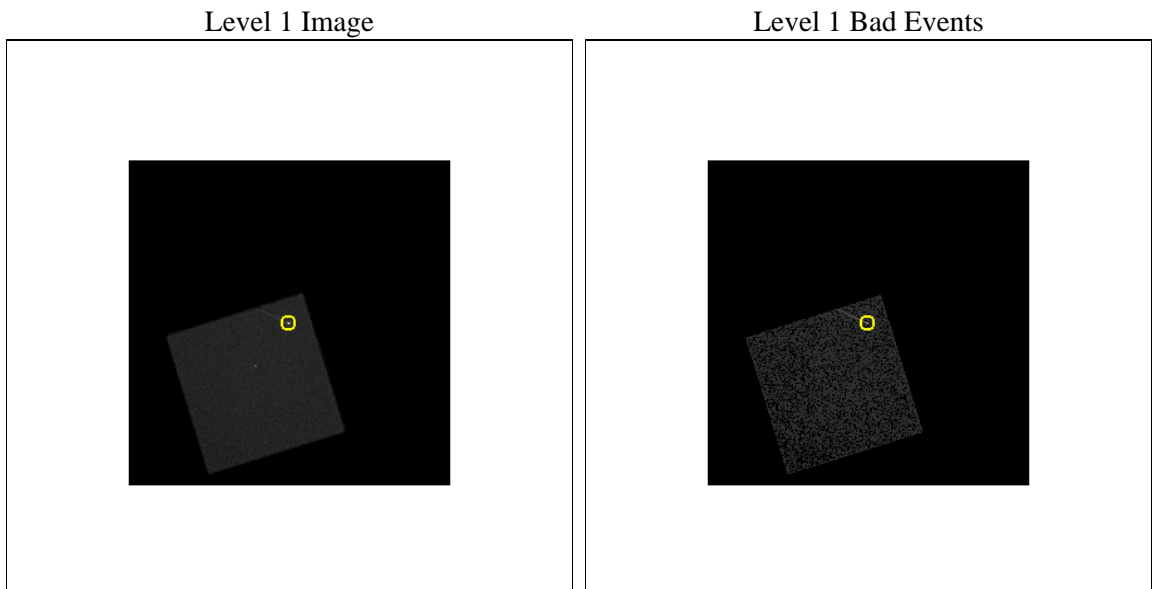
seq_num	290647	Sequence number
obs_id	6554	Observation id
title	Improving the De-Gap Corrections for the HRC-I	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Capella	Source name
ra_targ	79.1725	Observer's specified target RA [deg]
dec_targ	45.998	Observer's specified target Dec [deg]
ra_nom	79.166721262911	Nominal RA [deg]
dec_nom	45.997771297852	Nominal Dec [deg]
roll_nom	207.71090243182	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5185.7314900756	[s]
livetime	5139.7950638394	Ontime multiplied by DTCOR
l2events	309803	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5185.7314900756	[s]
caldbver	4.5.1.1	 	l1events	509576	Number of level 1 events
date	2012-08-10T20:42:36	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

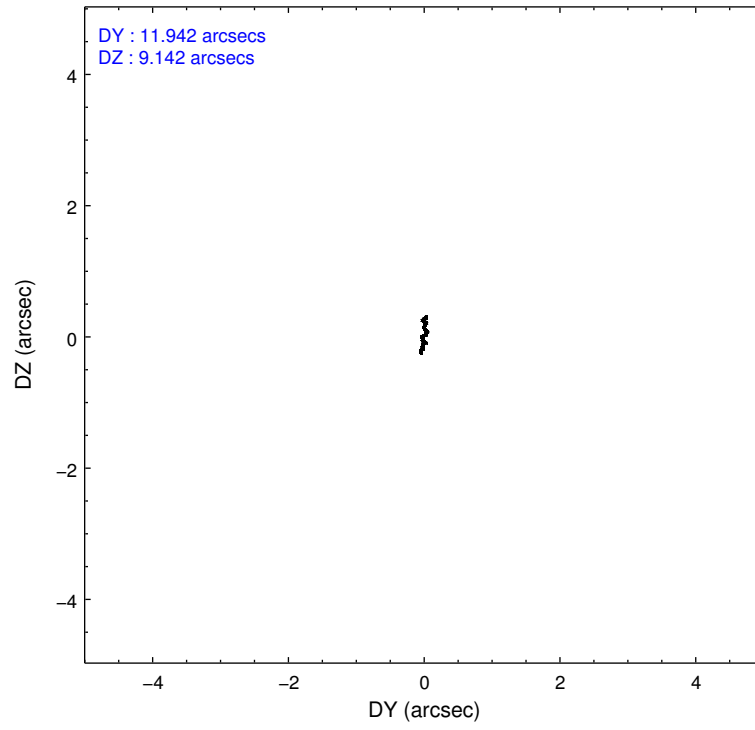
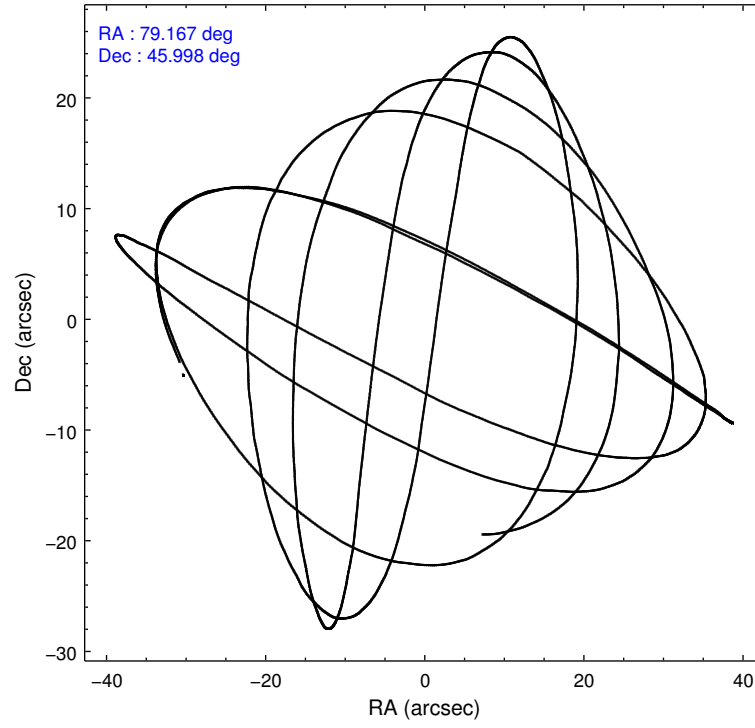
	segment 0
level 1 events	509576
rejected events	93545
rejected %	18%

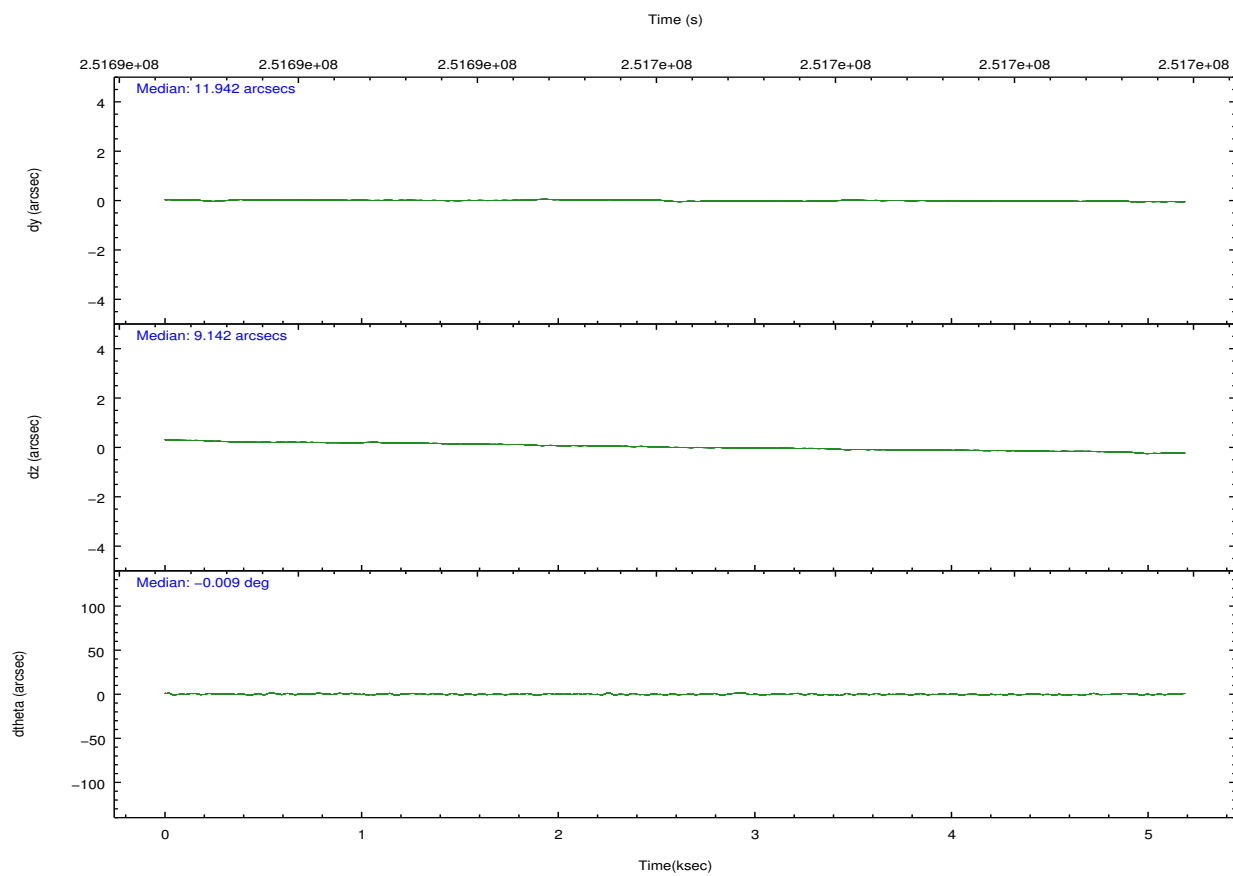
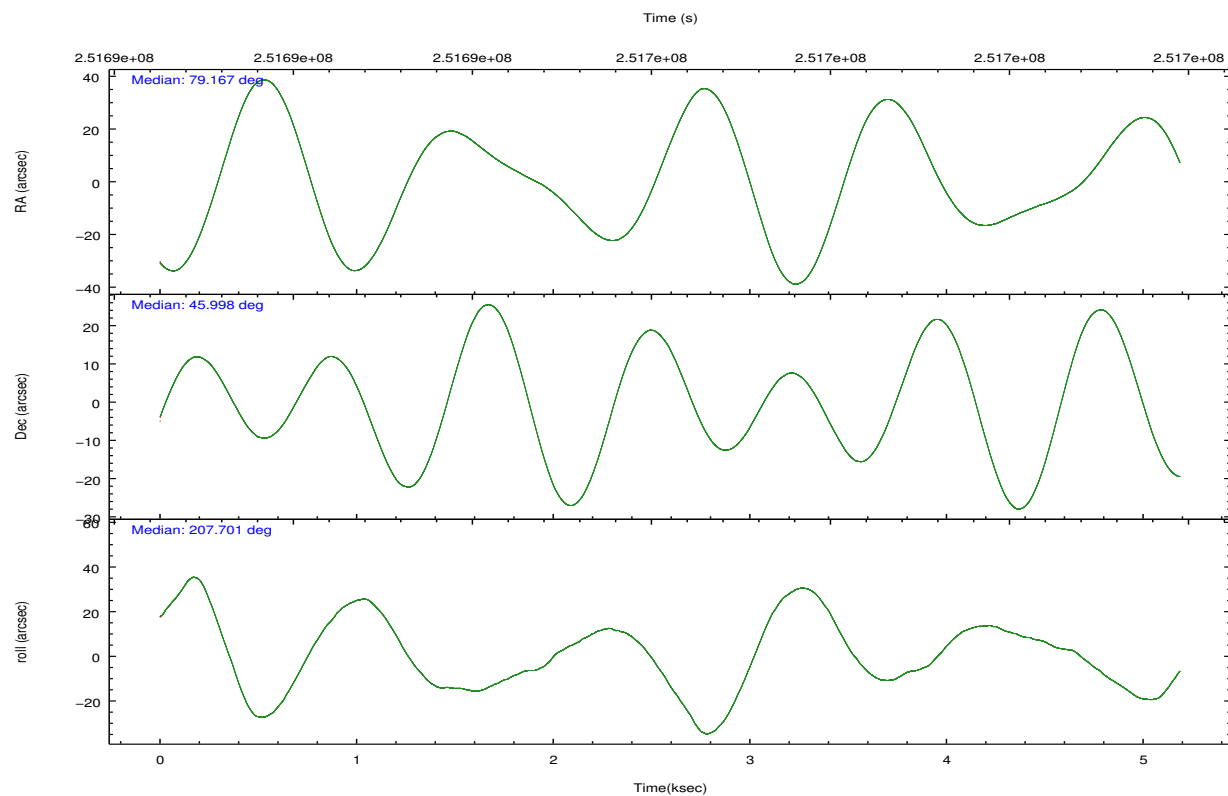
2.2 Compared Parameters

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	79.186600	79.16672126291127
[deg] Pointing Dec	46.020865	45.99777129785205
[deg] Pointing Roll	207.792079	207.710902431825
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	81.985494	81.98930766857005
[mm] SIM translation stage offset	45	44.99618122303151
[s] Observation start time (MET)	251692701.184000	251692324.90537
Observation start date	2005-12-23T02:37:17	2005-12-23T02:32:04
[s] Observation end time (MET)	251697701.184000	251698968.44317
Observation end date	2005-12-23T04:00:37	2005-12-23T04:22:48

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

2.3 Aspect



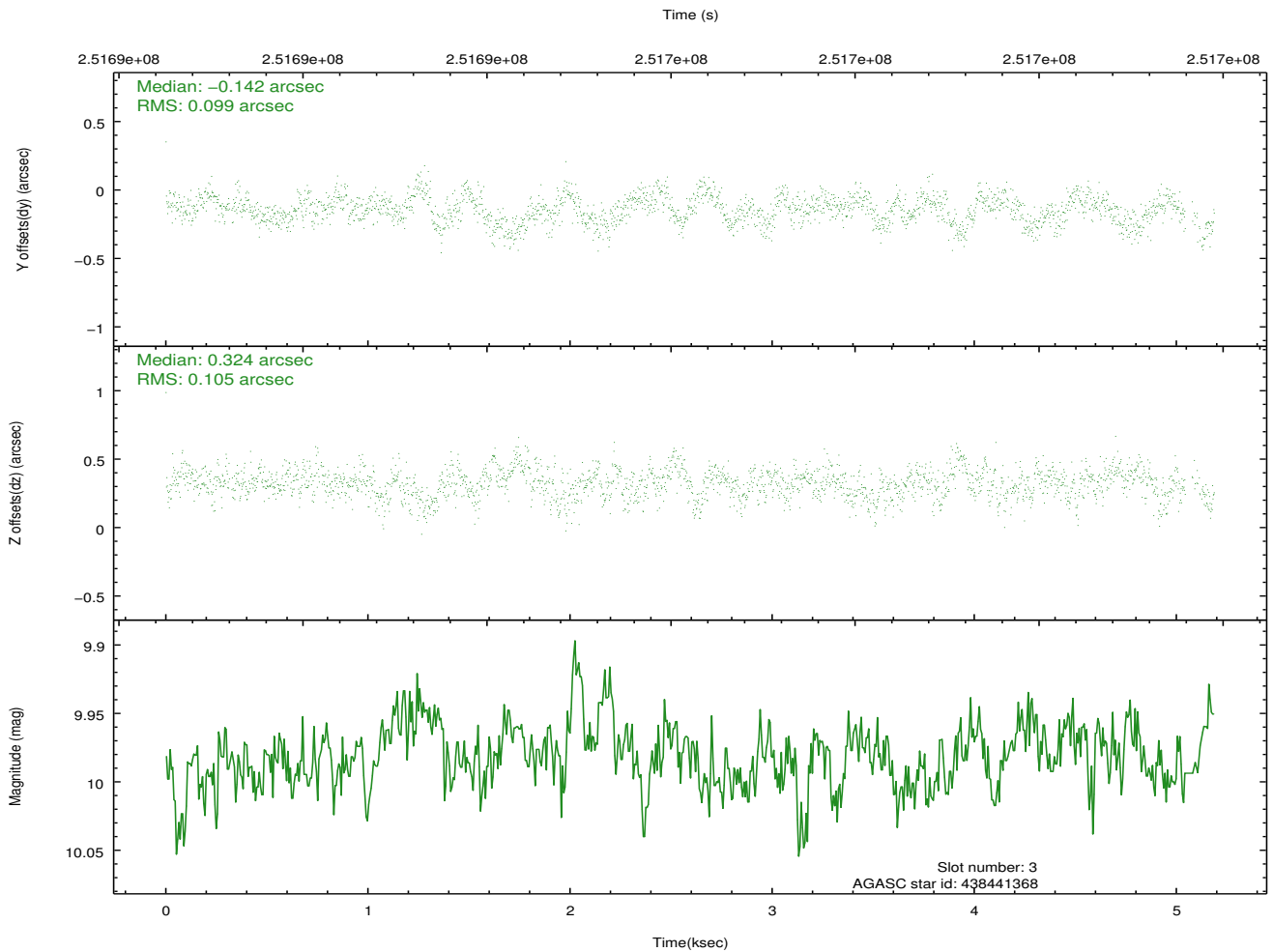
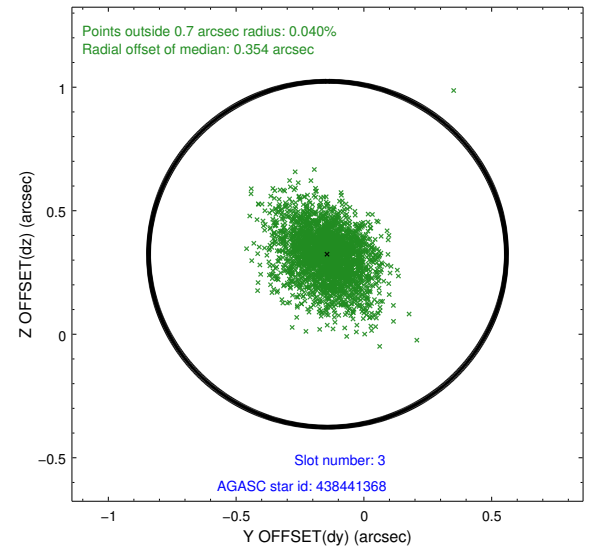
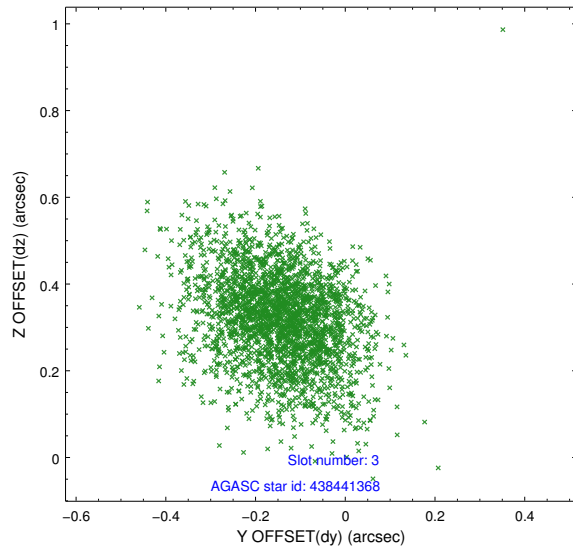


Slot Statistics

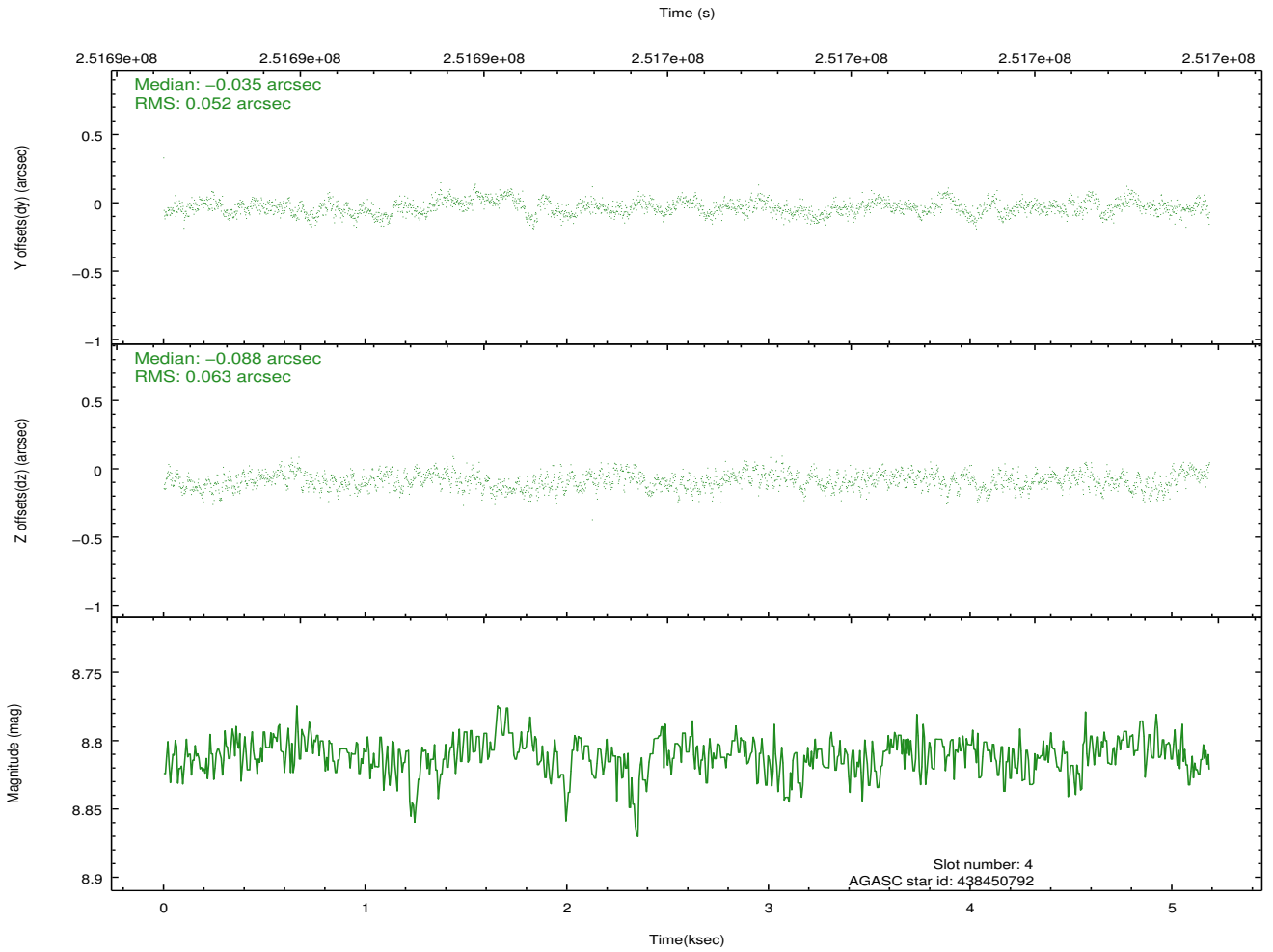
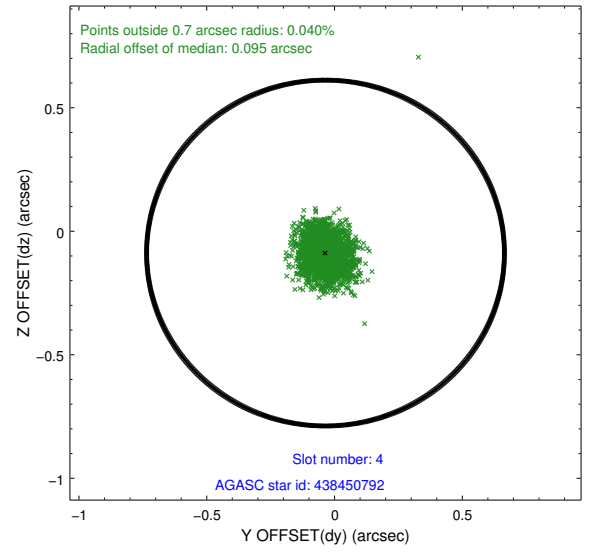
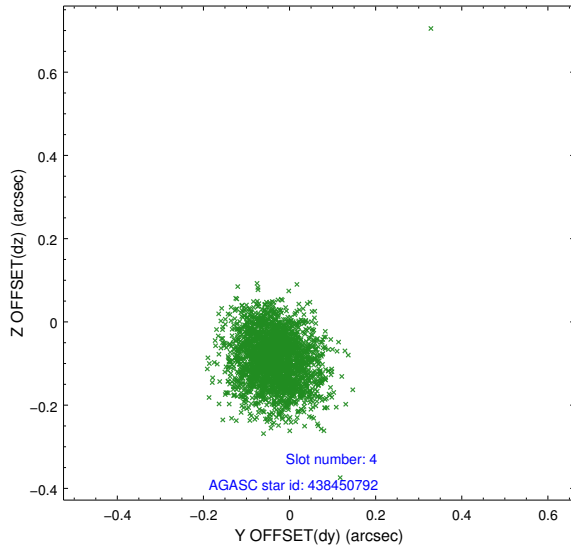
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	1266	-0.374	-0.204	0.008	0.014	0.000000	0.000000	-766.14	-377.35
1	FID	HRC-I-3	7.05	1265	0.201	-0.270	0.008	0.015	0.000000	0.000000	-1197.96	1931.60
2	FID	HRC-I-4	6.95	1266	0.289	0.381	0.006	0.010	0.000000	0.000000	1273.07	1932.42
3	GUIDE	438441368	9.98	2487	-0.142	0.324	0.150	0.254	78.646413	46.420494	514.15	-1900.61
4	GUIDE	438450792	8.81	2531	-0.035	-0.088	0.085	0.137	78.654240	46.382628	562.01	-1771.81
5	GUIDE	440150048	7.14	2531	0.016	-0.126	0.072	0.114	79.112838	46.416060	-499.95	-1344.33
6	GUIDE	440164960	8.31	2529	0.120	-0.022	0.080	0.126	79.132526	46.140947	-81.12	-445.01
7	GUIDE	440145016	9.55	2530	0.042	-0.079	0.119	0.194	80.238026	45.801940	-1974.16	1912.24

2.4 Star Slots

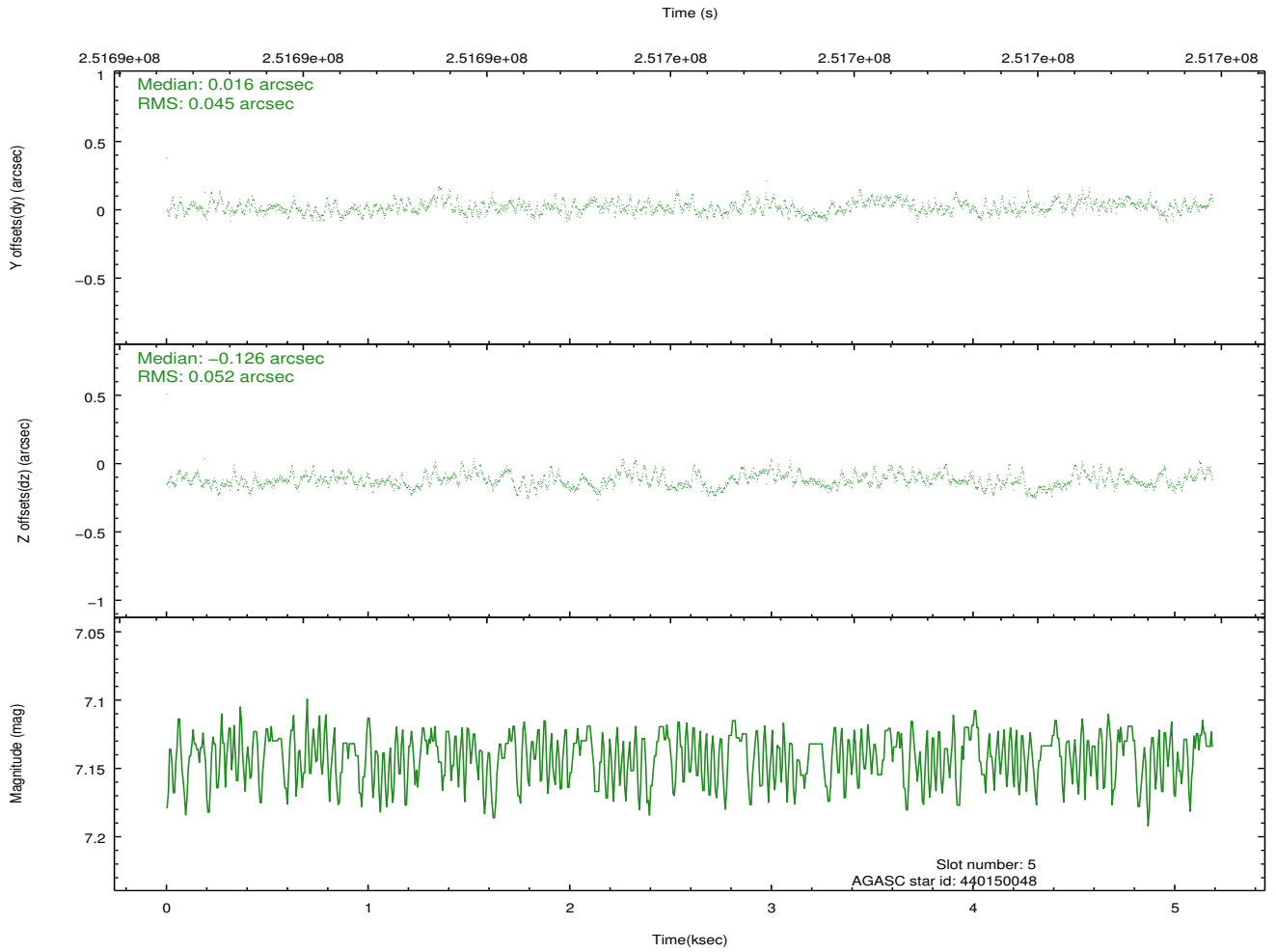
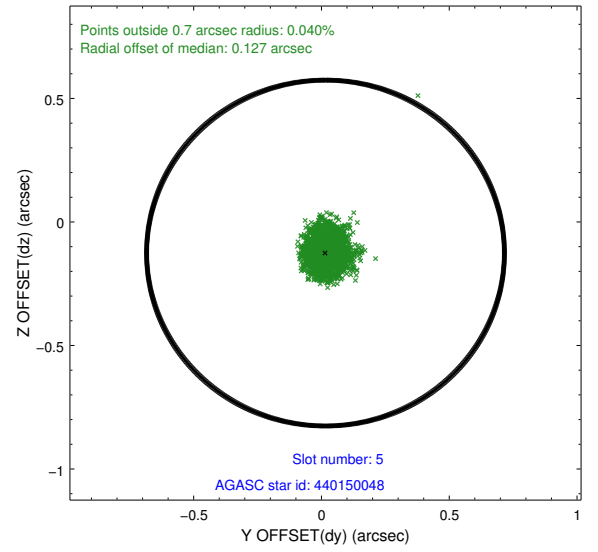
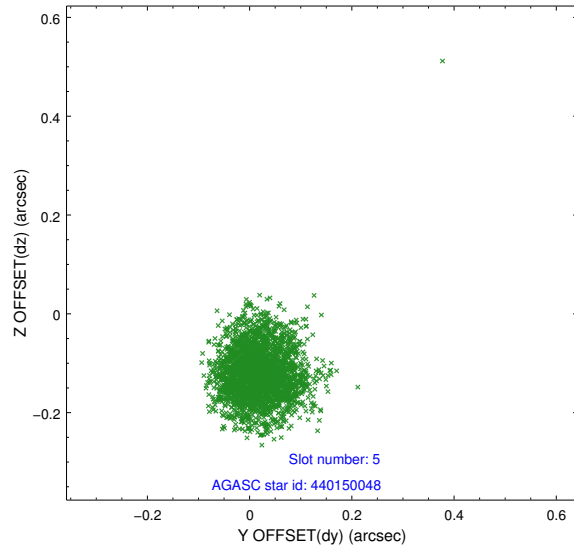
2.4.1 Slot 3



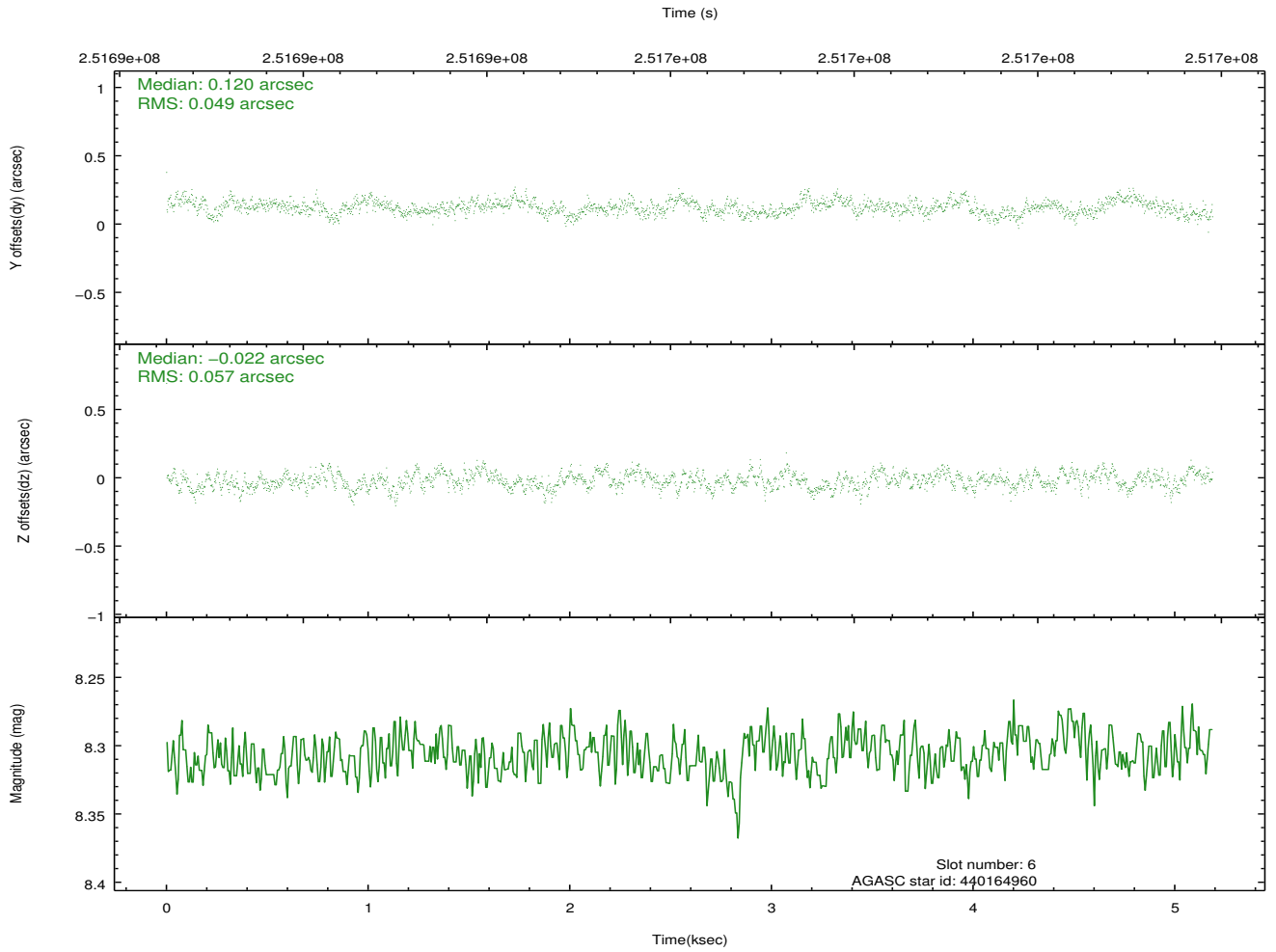
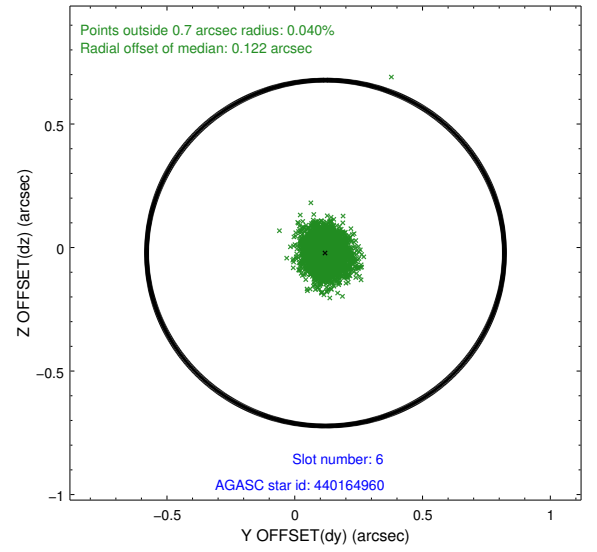
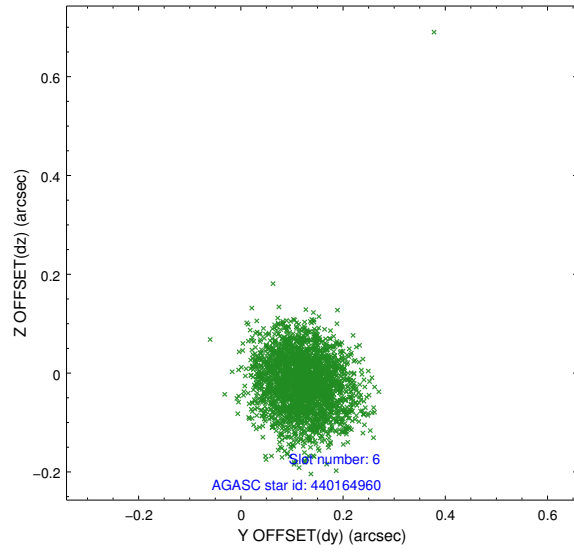
2.4.2 Slot 4



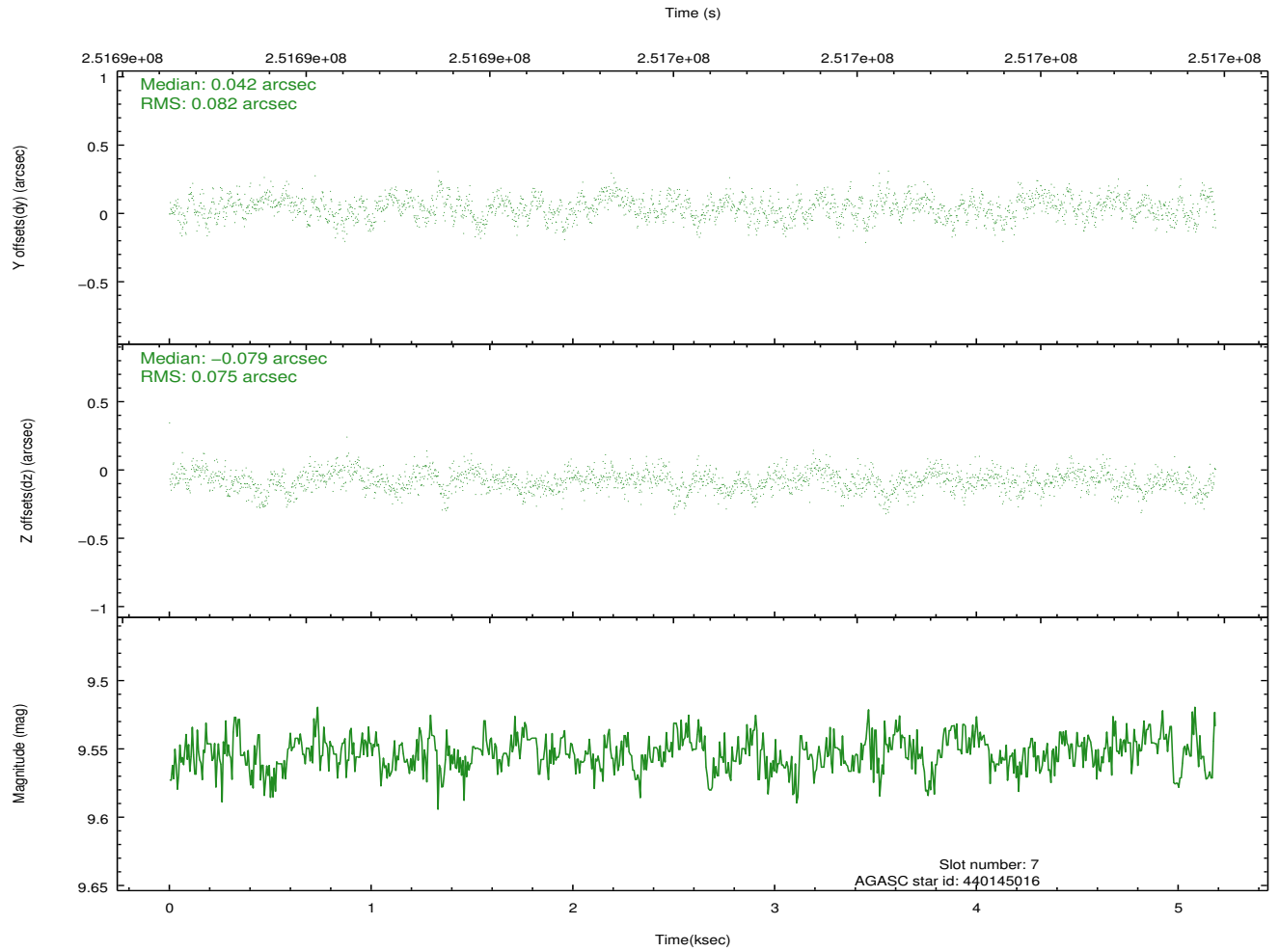
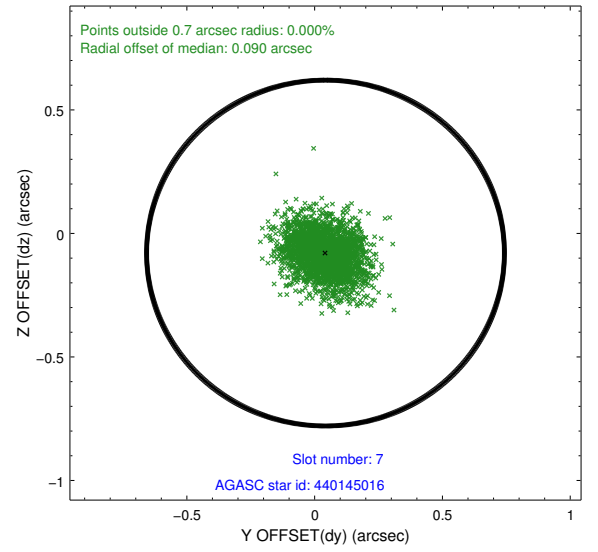
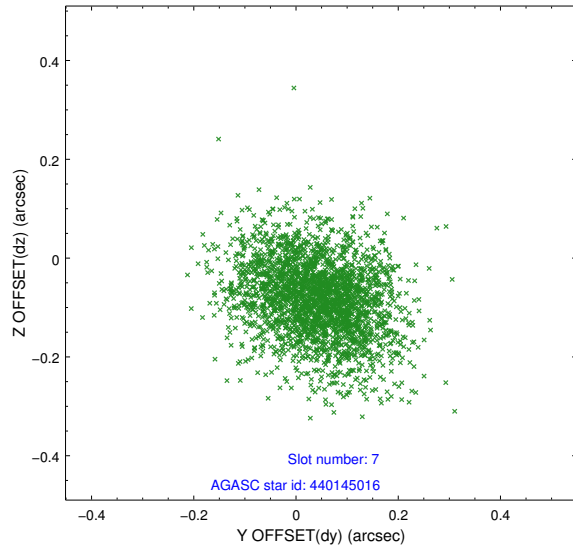
2.4.3 Slot 5



2.4.4 Slot 6

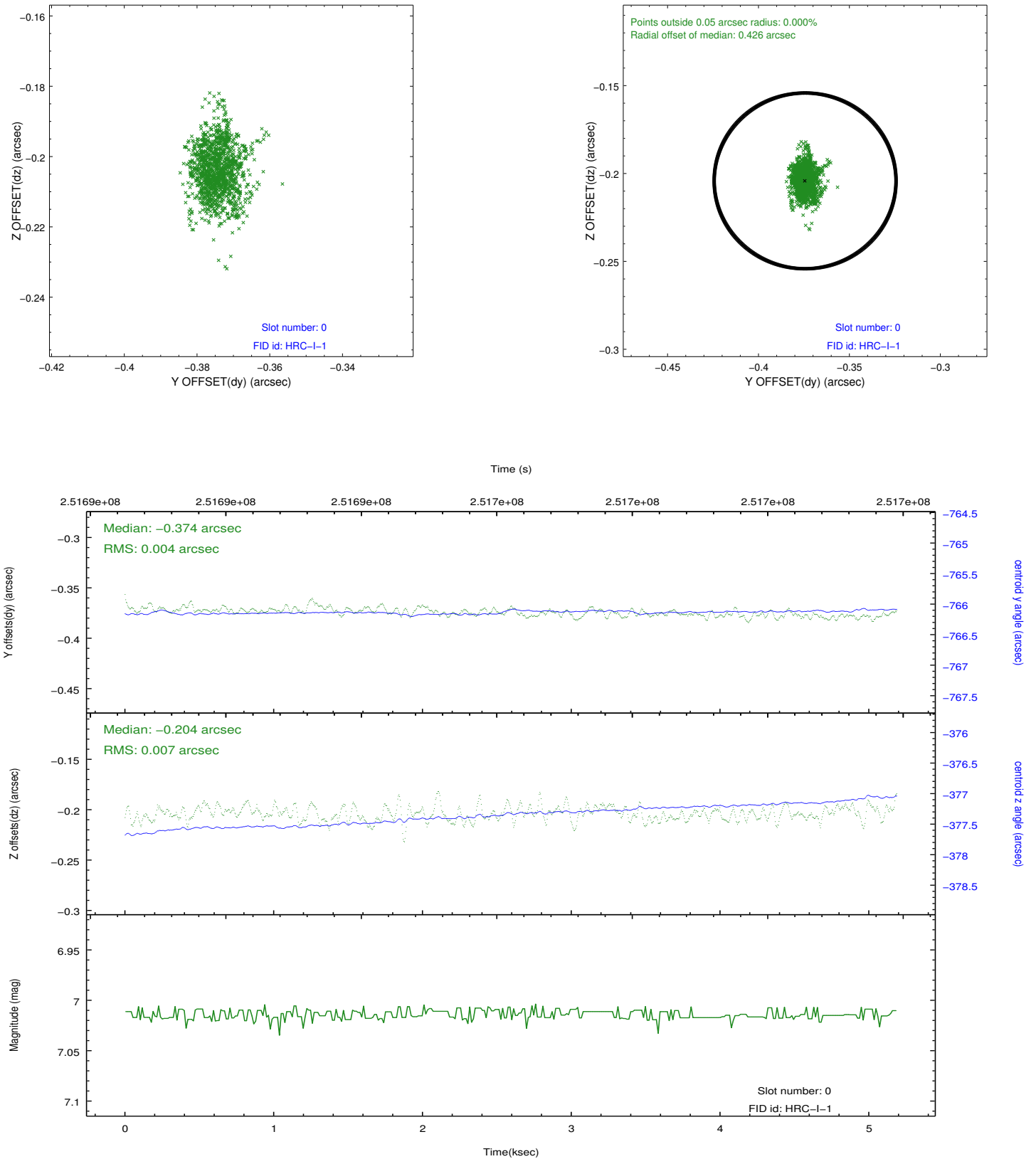


2.4.5 Slot 7

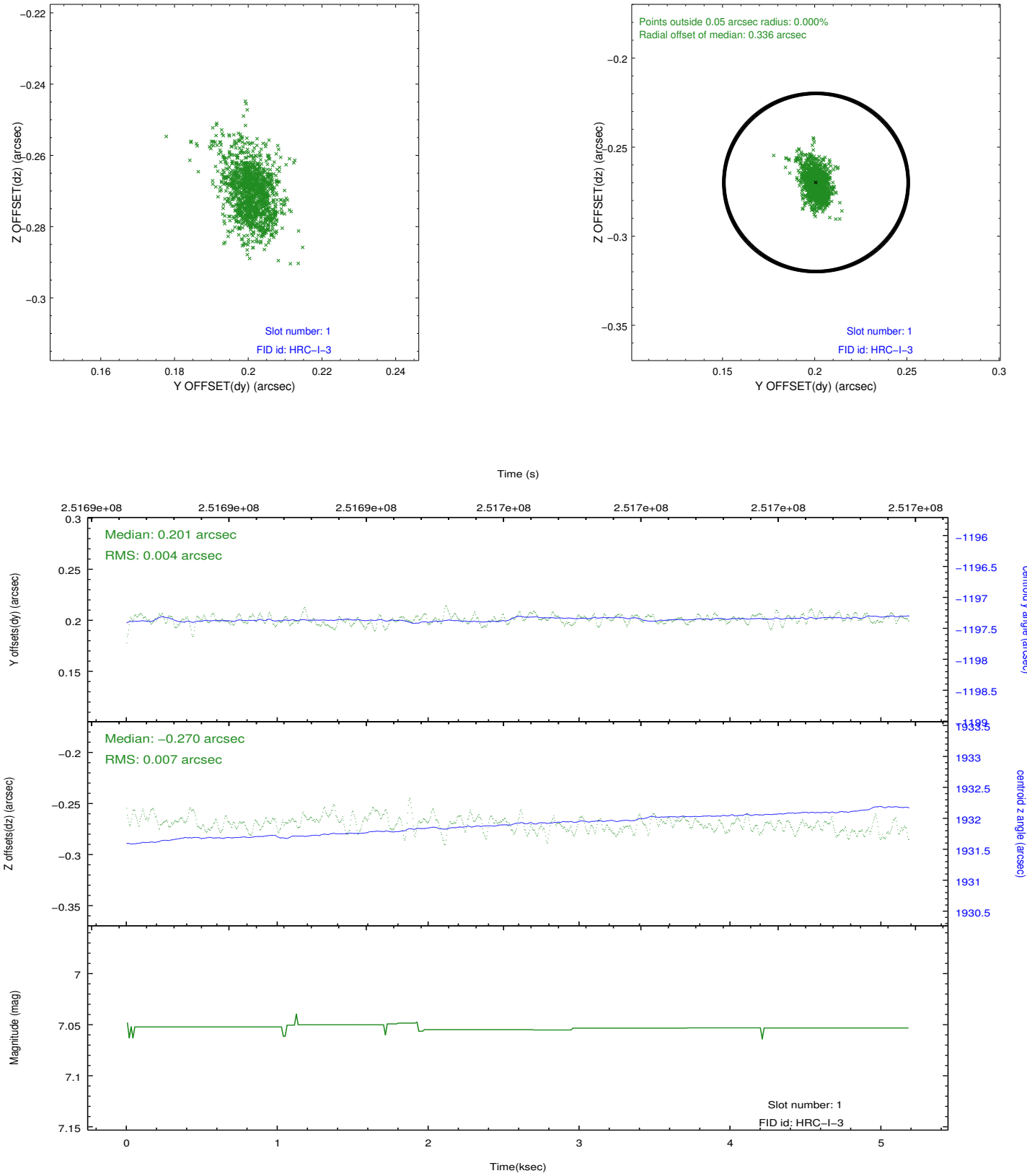


2.5 FID Slots

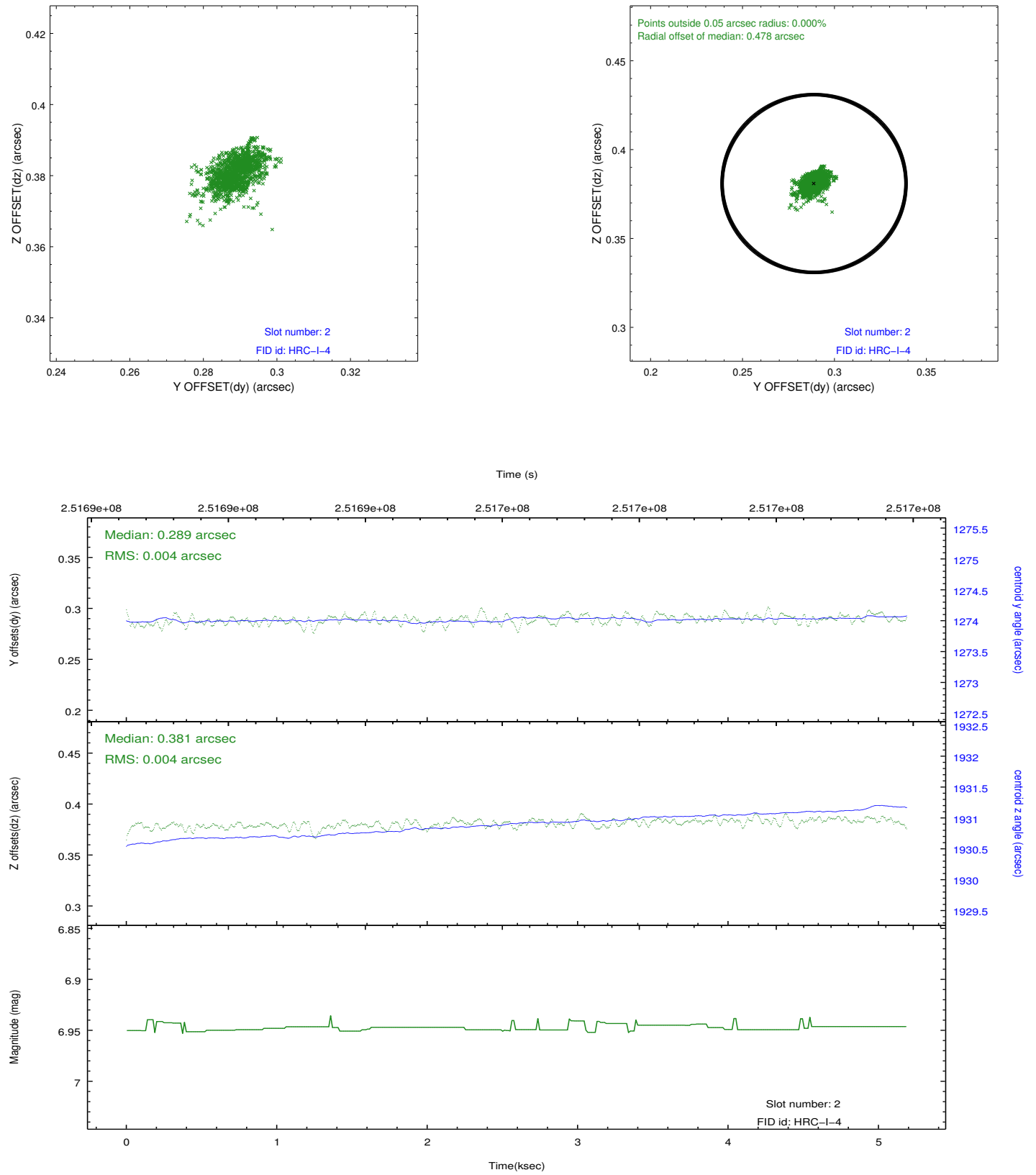
2.5.1 Slot 0



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)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.185731

A.2 Comments

High offset in fid lights is expected due to SIM position and placement of target on the chip.