

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 130 - L2 Version 4

Chandra X-Ray Center

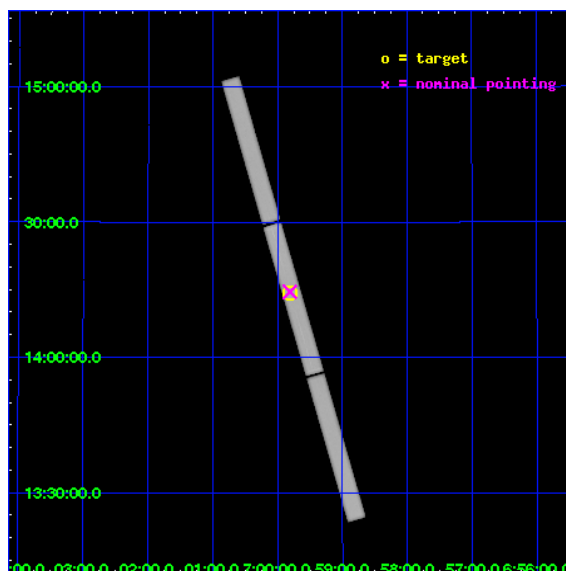
L2 Processing Date : Nov 25 2009

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1 Front

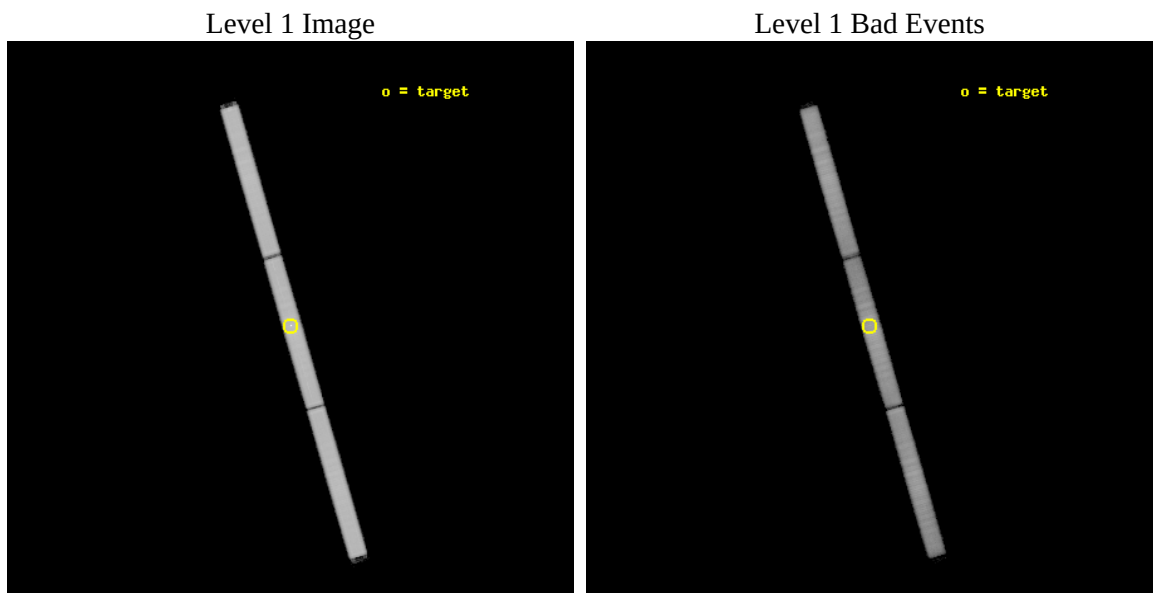
seq_num	500017	Sequence number
obs_id	130	Observation id
title	HETG OBSERVATIONS OF ISOLATED PULSARS	Proposal title
observer	Prof. Claude Canizares	Principal investigator
object	PSR B0656+14	Source name
ra_targ	104.950417	Observer's specified target RA
dec_targ	14.2385	Observer's specified target Dec
ra_nom	104.95228437314	Nominal RA
dec_nom	14.243440494907	Nominal Dec
roll_nom	73.70697223684	Nominal Roll
revision	4	Processing version of data
ontime	38123.082626767	[s]
livetime	37861.79626676	Ontime multiplied by DTCOR
l2events	1756549	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	38000.000000	Scheduled observation exposure time
ascdsver	8.1.1	Processing system revision	ontime	38123.082627766	[s]
caldbver	4.1.4	 	l1events	2848477	Number of level 1 events
date	2009-11-25T09:53:04	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

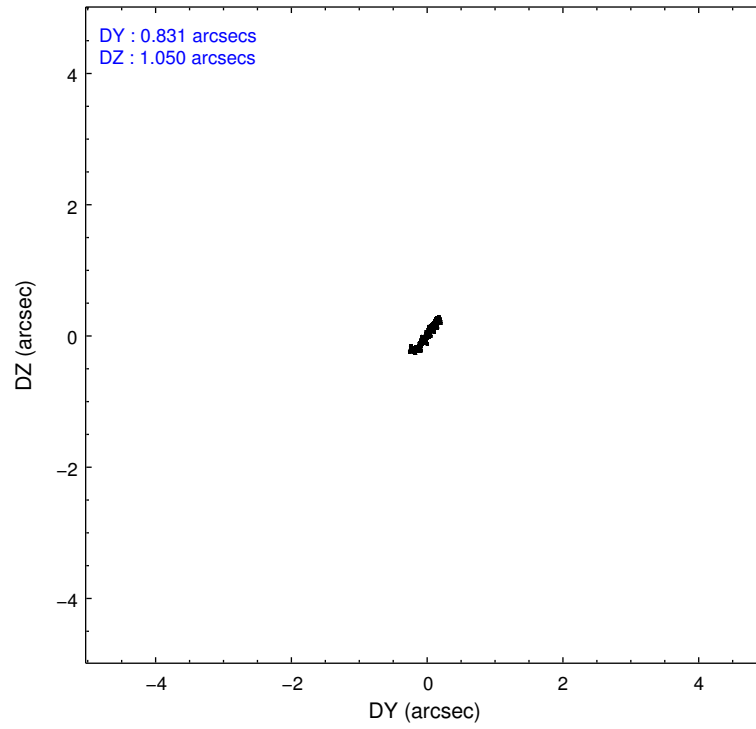
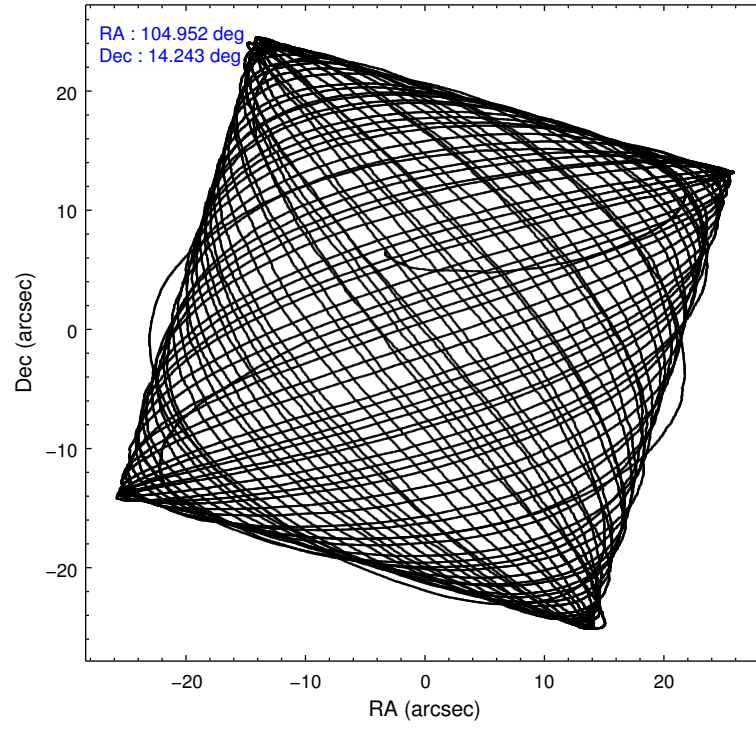
	segment 1	segment 2	segment 3
level 1 events	949312	941815	957350
rejected events	253809	270523	306952
rejected %	26%	28%	32%

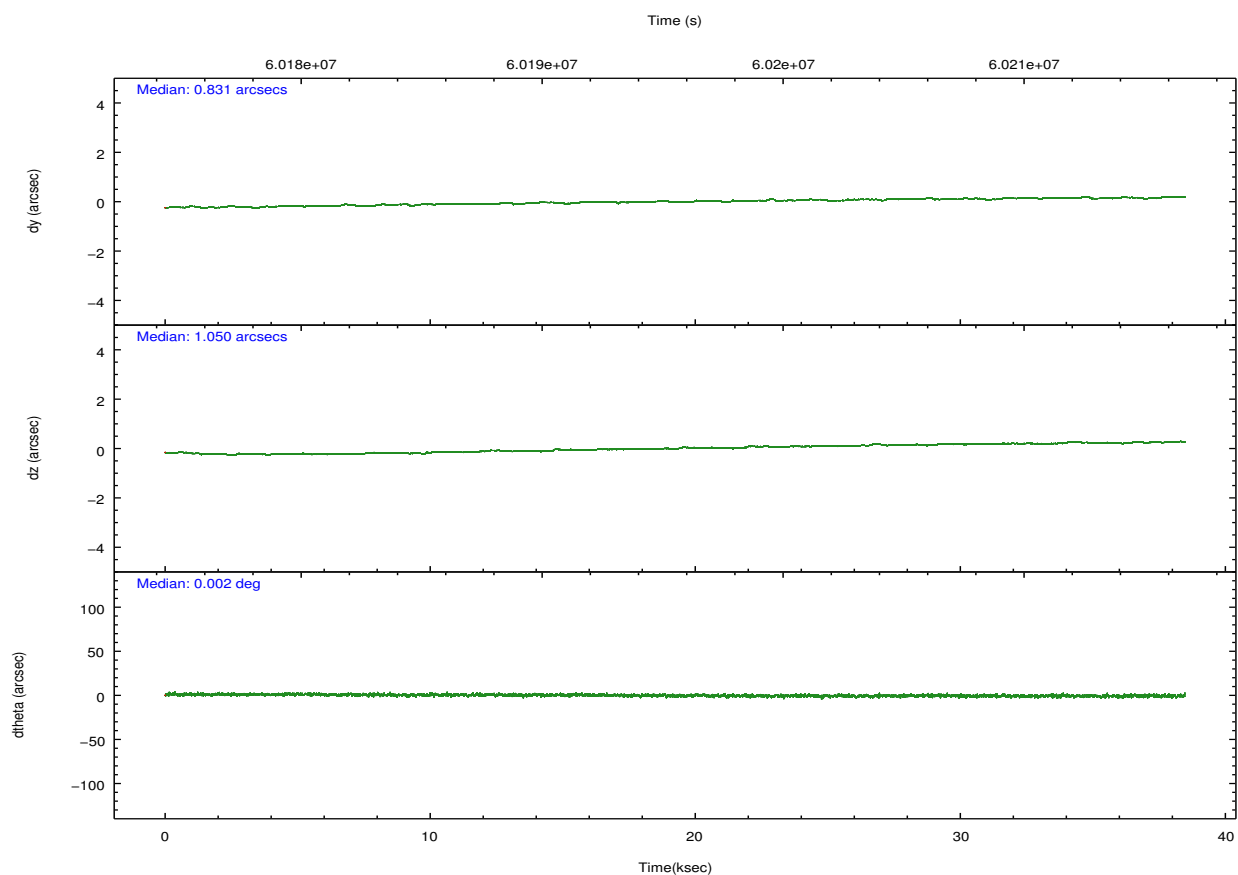
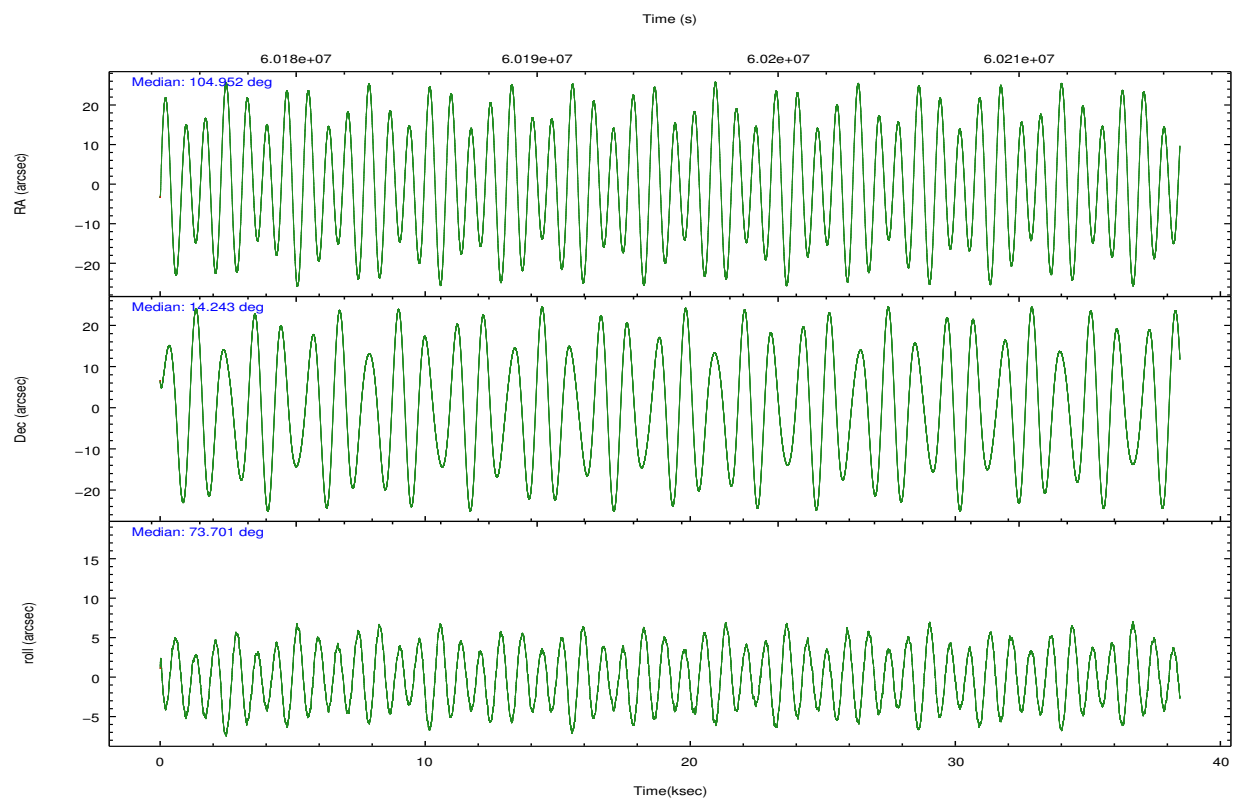
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	LETG	LETG
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	104.960307	104.9522843731417
Pointing Dec	14.215535	14.24344049490721
Pointing Roll	73.637659	73.70697223684046
SIM focus pos (mm)	-1.429586	-1.428180813131781
SIM defocus (mm)	0.1037507710433287	0.1051558262725154
SIM translation stage pos (mm)	250.455976	250.466033080201
SIM translation stage offset (mm)	0	-0.01005468664627074
Observation start time	60176753.184000	60175451.330521
Observation start date	1999-11-28T11:44:49	1999-11-28T11:24:11
Observation end time	60214753.184000	60215167.006957
Observation end date	1999-11-28T22:18:09	1999-11-28T22:26:07

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



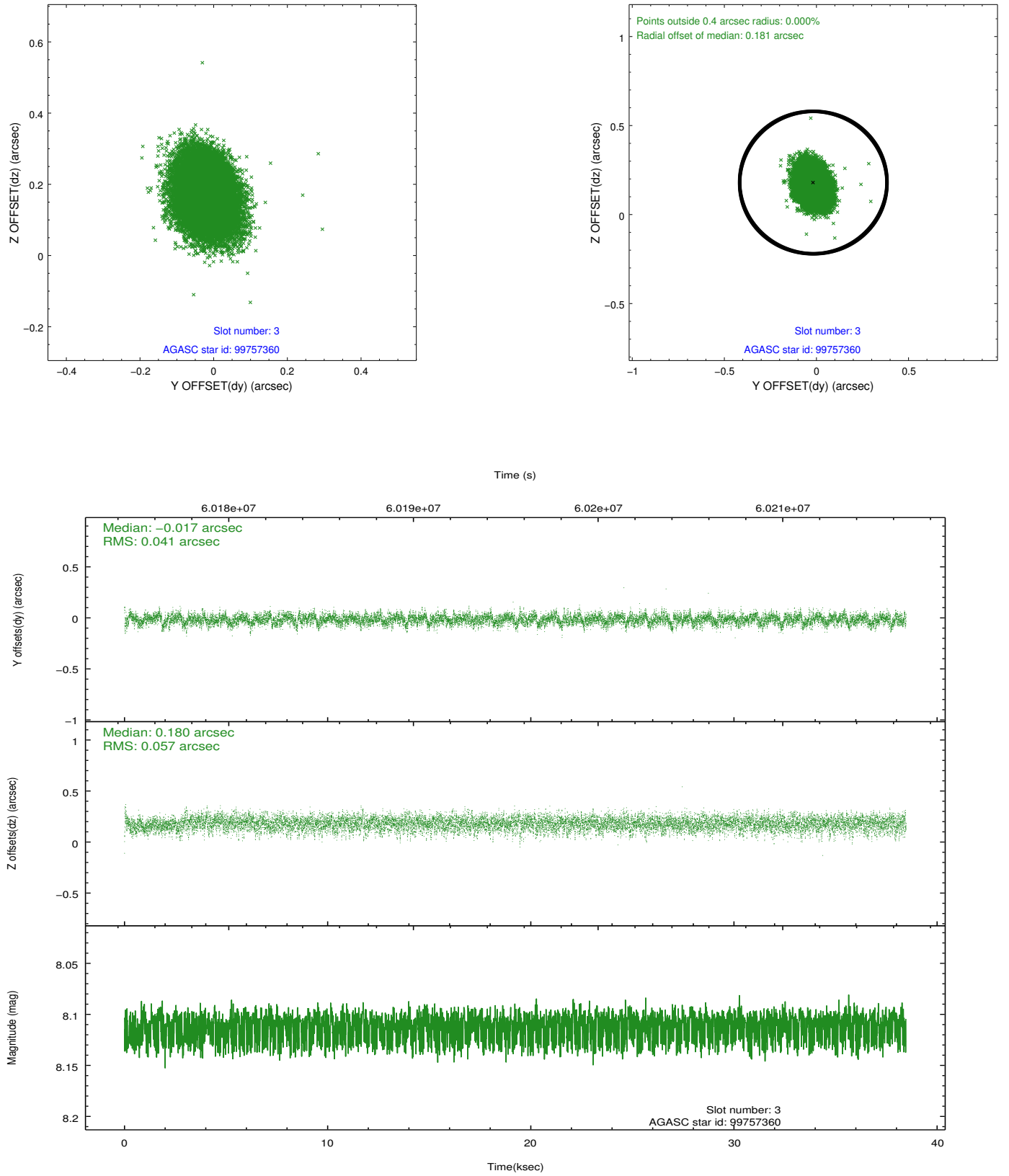


Slot Statistics

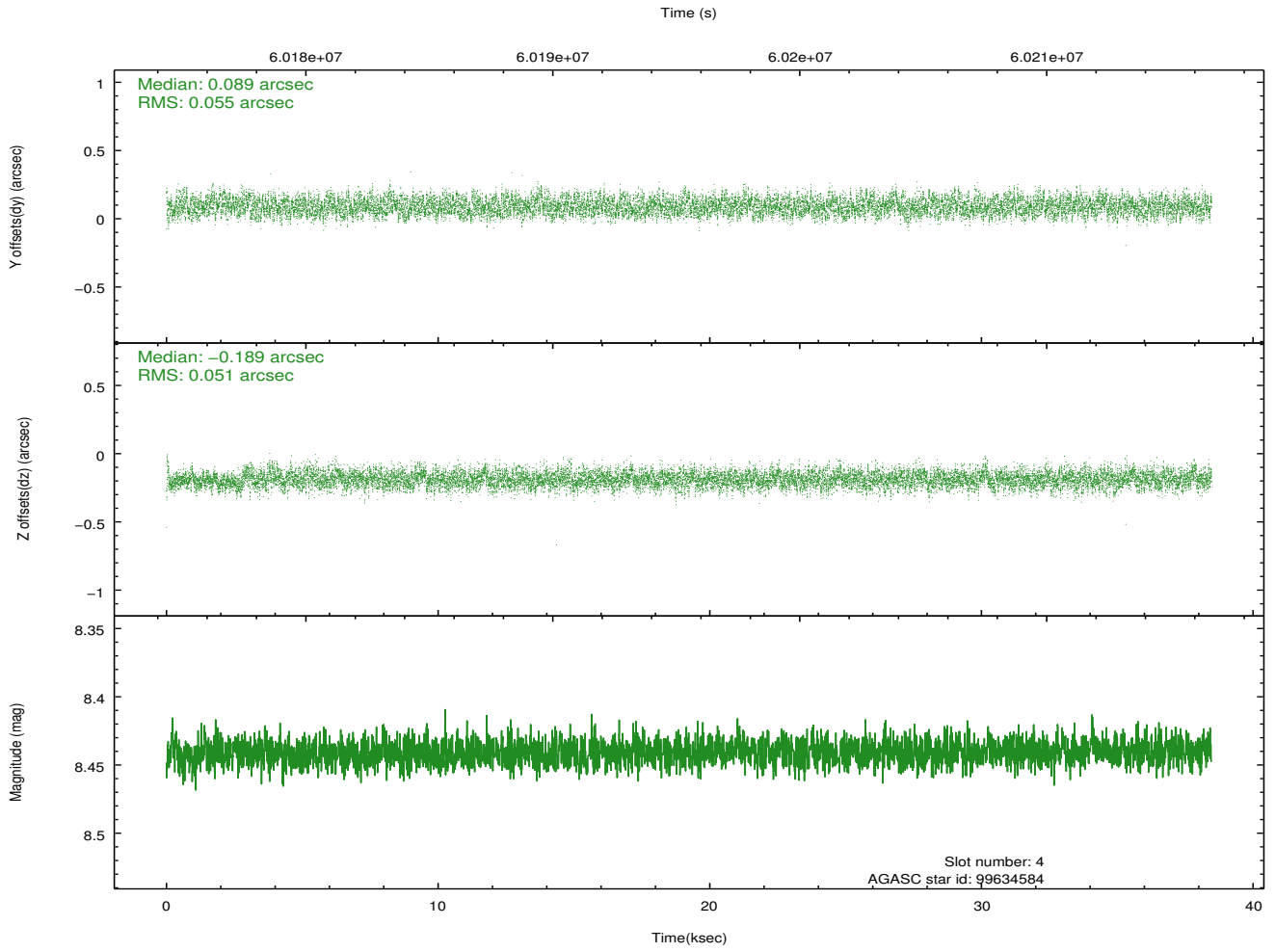
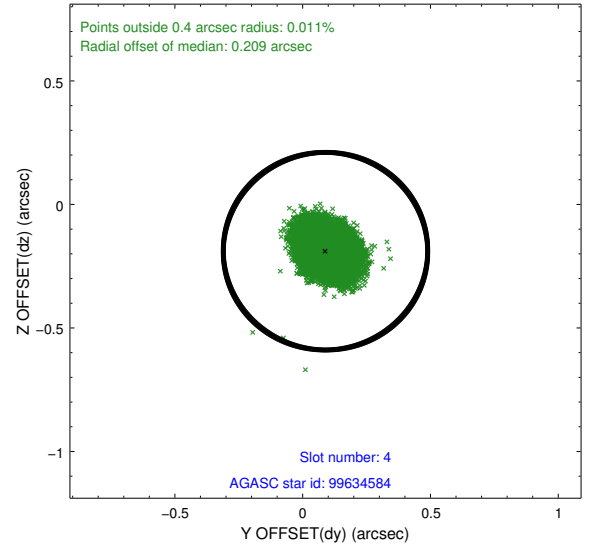
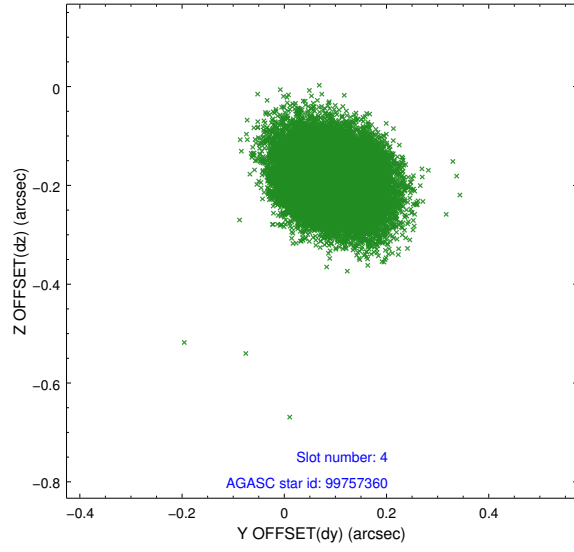
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	18765	0.137	-0.132	0.012	0.018	0.000000	0.000000	-1154.87	-449.32
1	FID	HRC-S-3	7.01	18765	0.110	-0.062	0.012	0.019	0.000000	0.000000	-1157.58	580.25
2	FID	HRC-S-4	6.97	18763	0.140	-0.103	0.010	0.016	0.000000	0.000000	1243.43	582.61
3	GUIDE	99757360	8.11	18762	-0.017	0.180	0.073	0.123	105.544191	13.851091	-681.31	-2326.45
4	GUIDE	99634584	8.44	18759	0.089	-0.189	0.081	0.127	104.341882	13.801780	-2035.68	1655.79
5	GUIDE	99756168	8.75	18761	-0.124	0.139	0.101	0.156	105.592210	14.661738	2164.13	-1657.35
6	GUIDE	99622152	9.28	18760	-0.134	-0.087	0.095	0.152	104.680349	14.905269	2108.55	1634.83
7	GUIDE	99633288	9.88	18750	0.186	-0.043	0.146	0.226	104.393550	13.835883	-1867.08	1517.01

2.4 Star Slots

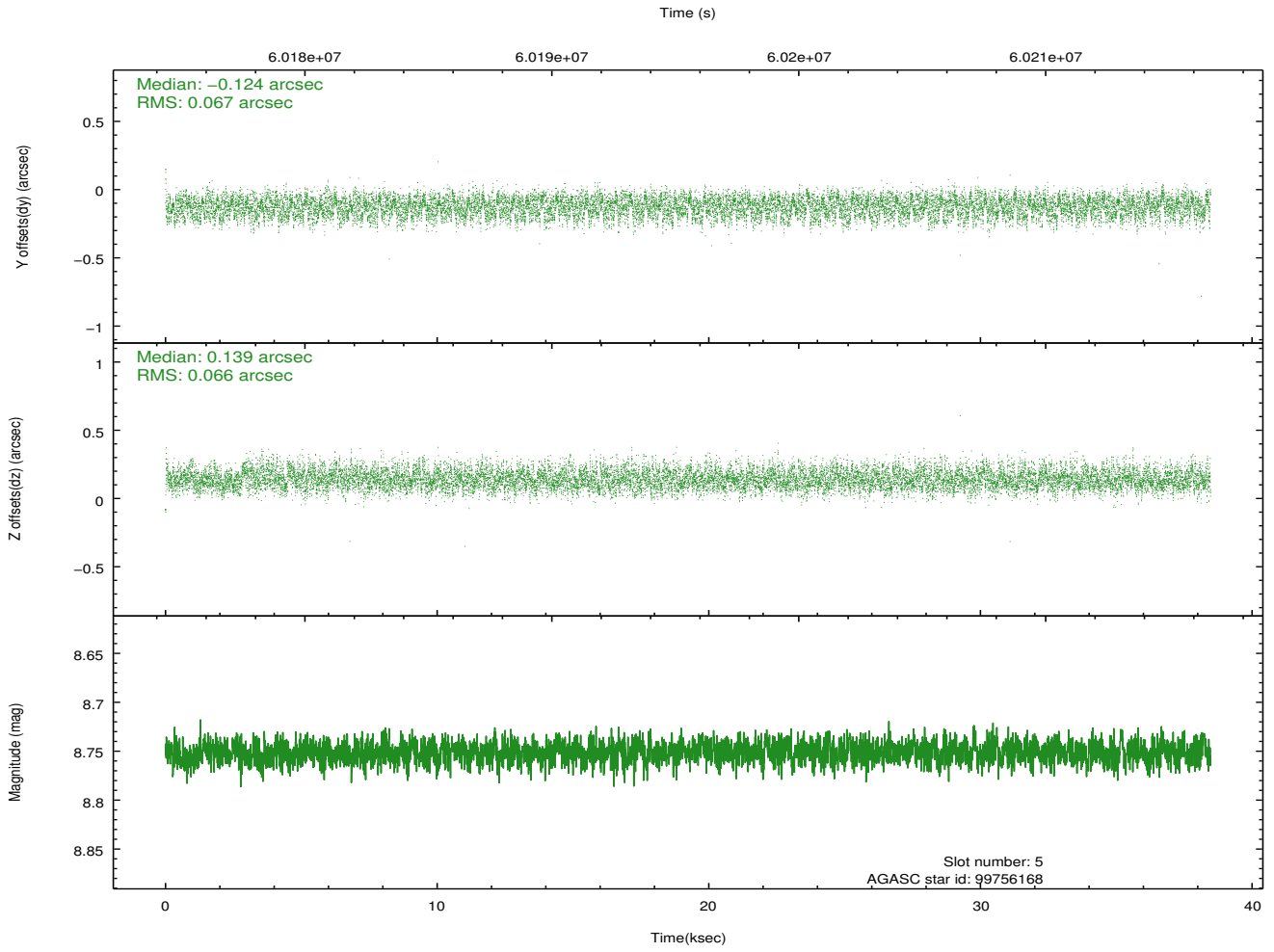
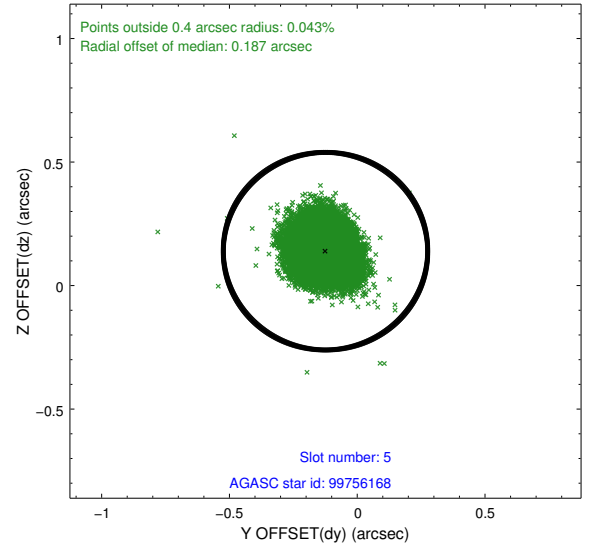
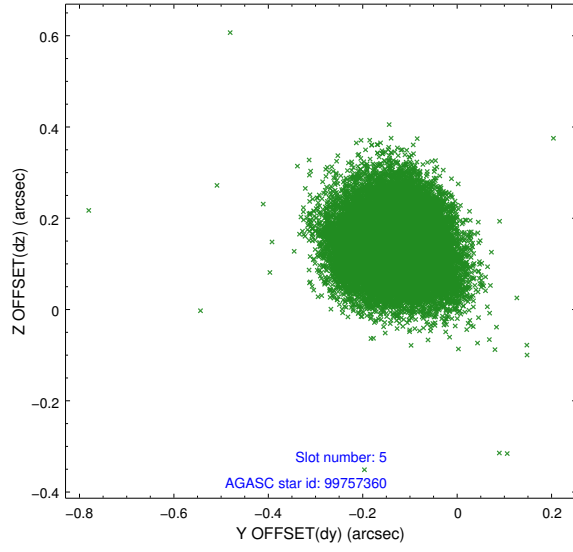
2.4.1 Slot 3



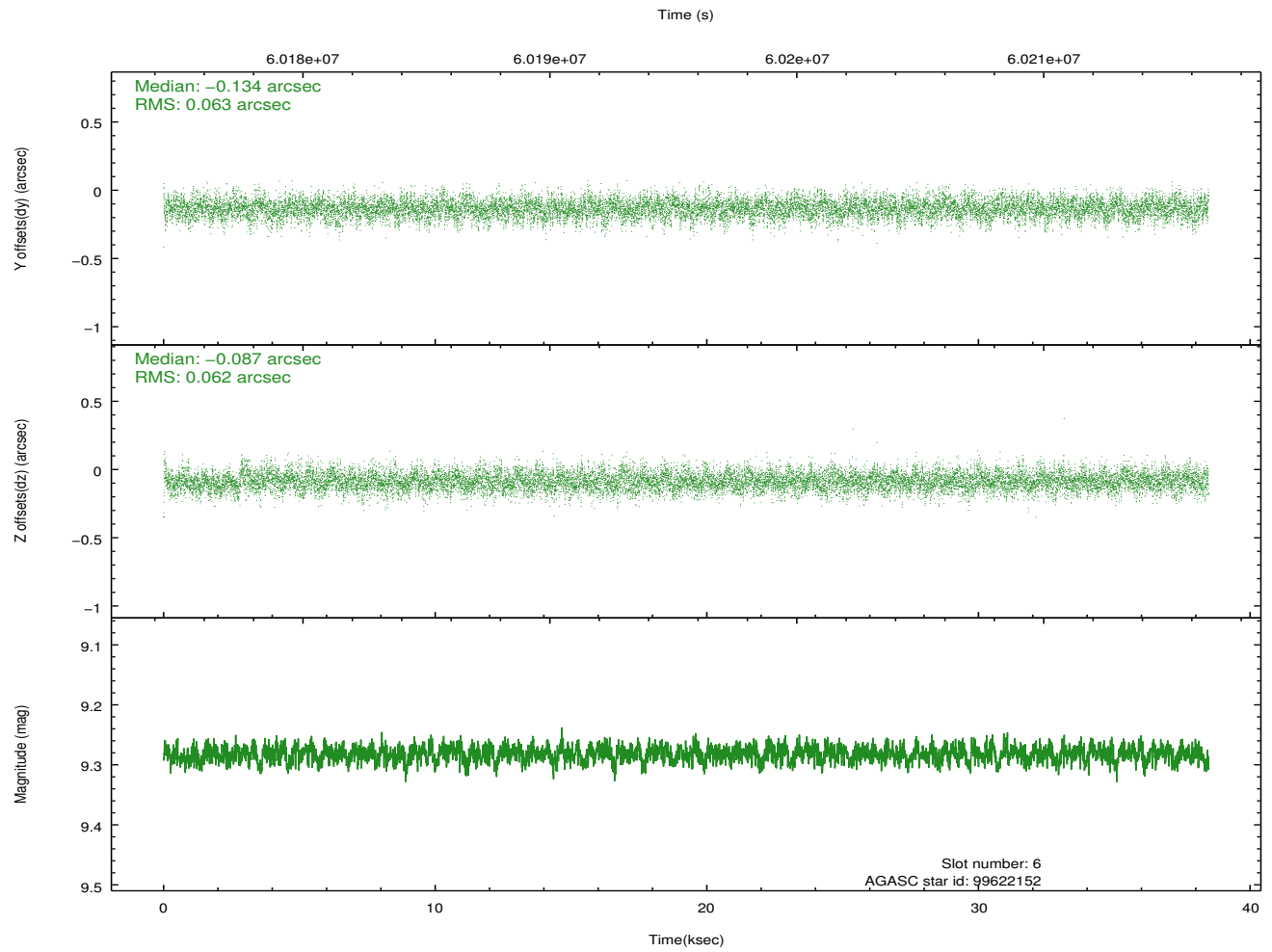
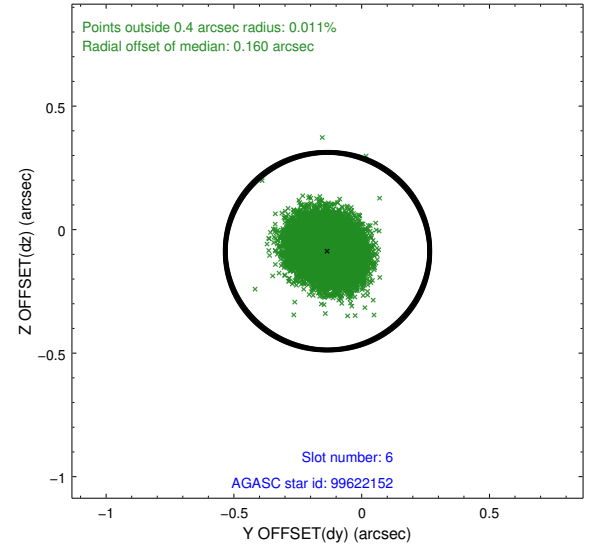
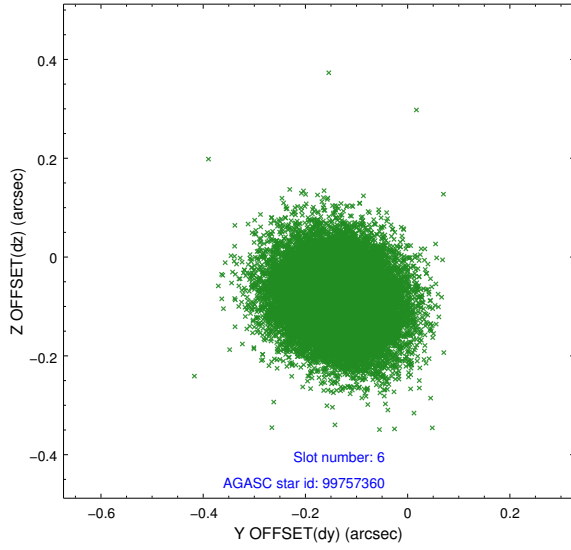
2.4.2 Slot 4



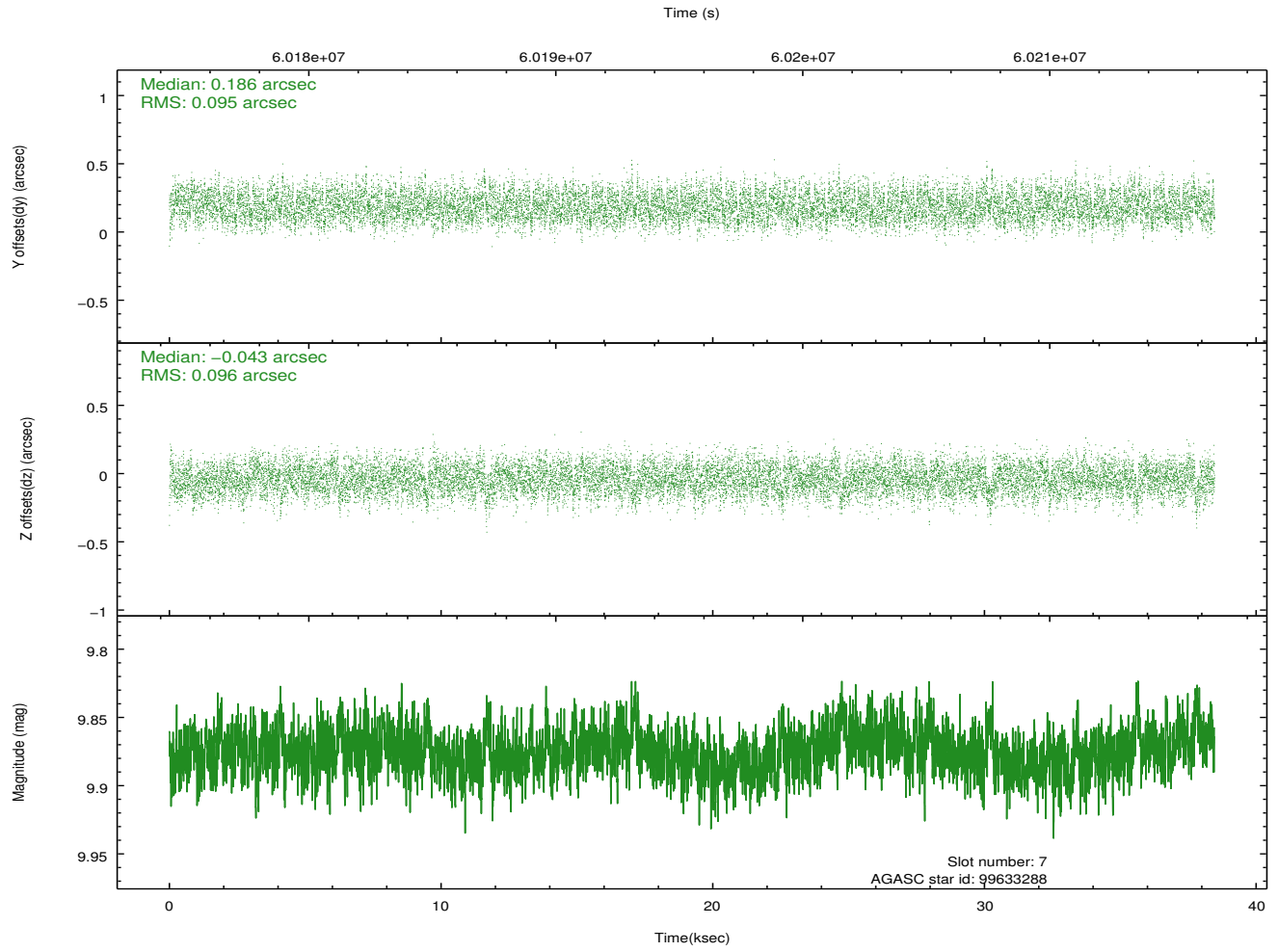
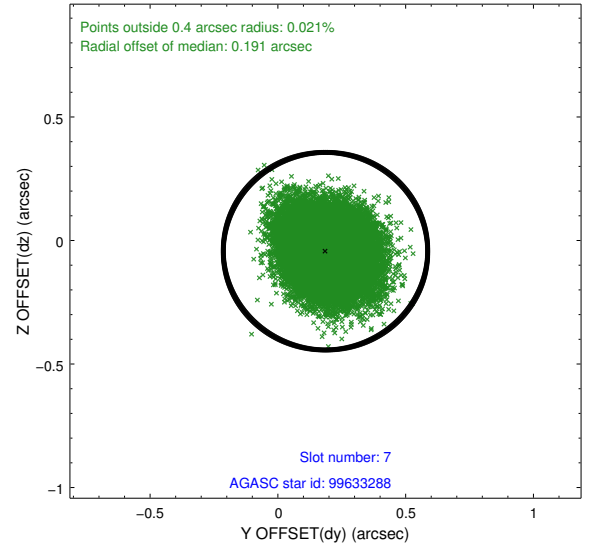
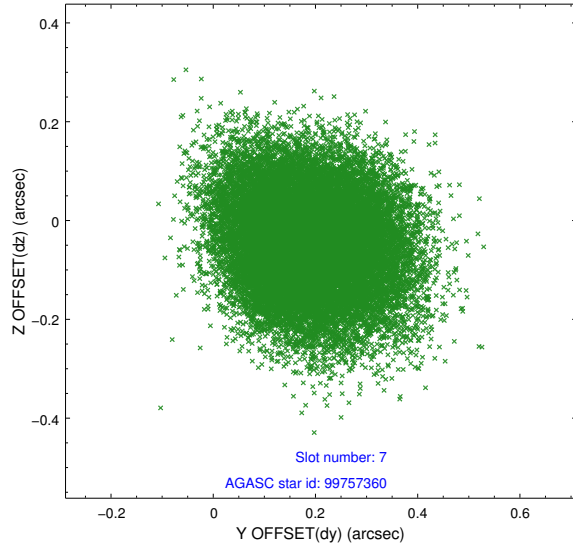
2.4.3 Slot 5



2.4.4 Slot 6

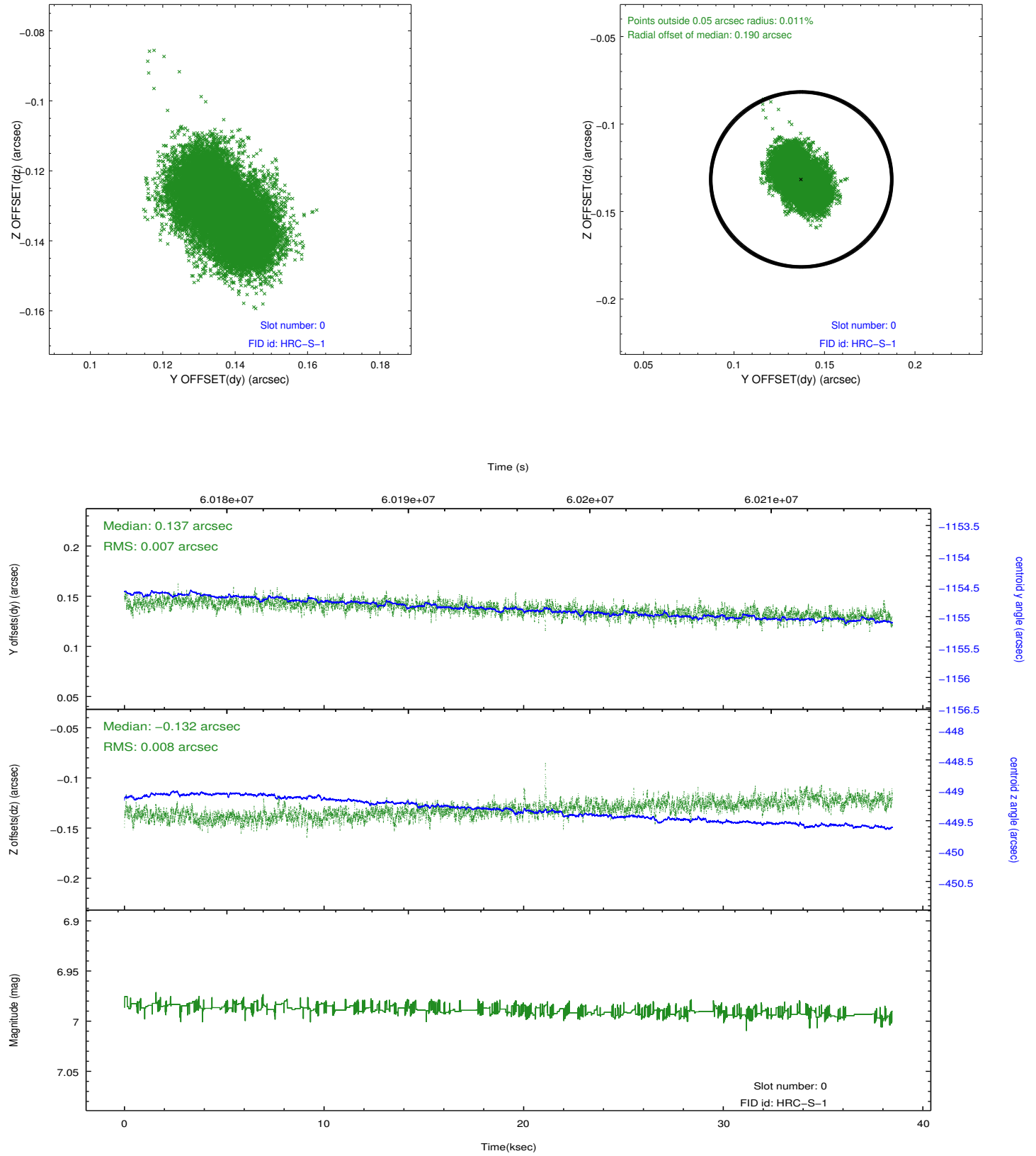


2.4.5 Slot 7

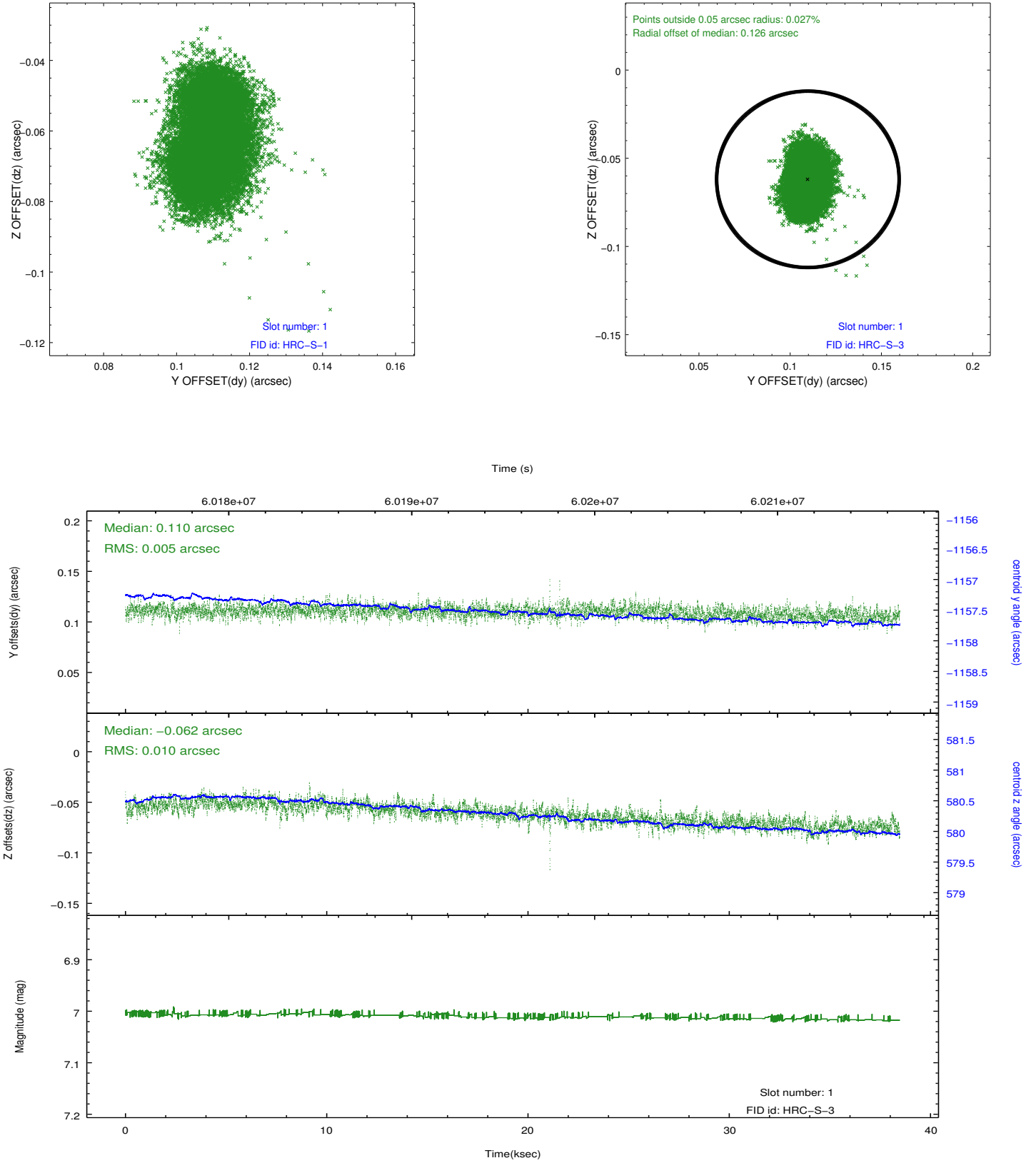


2.5 FID Slots

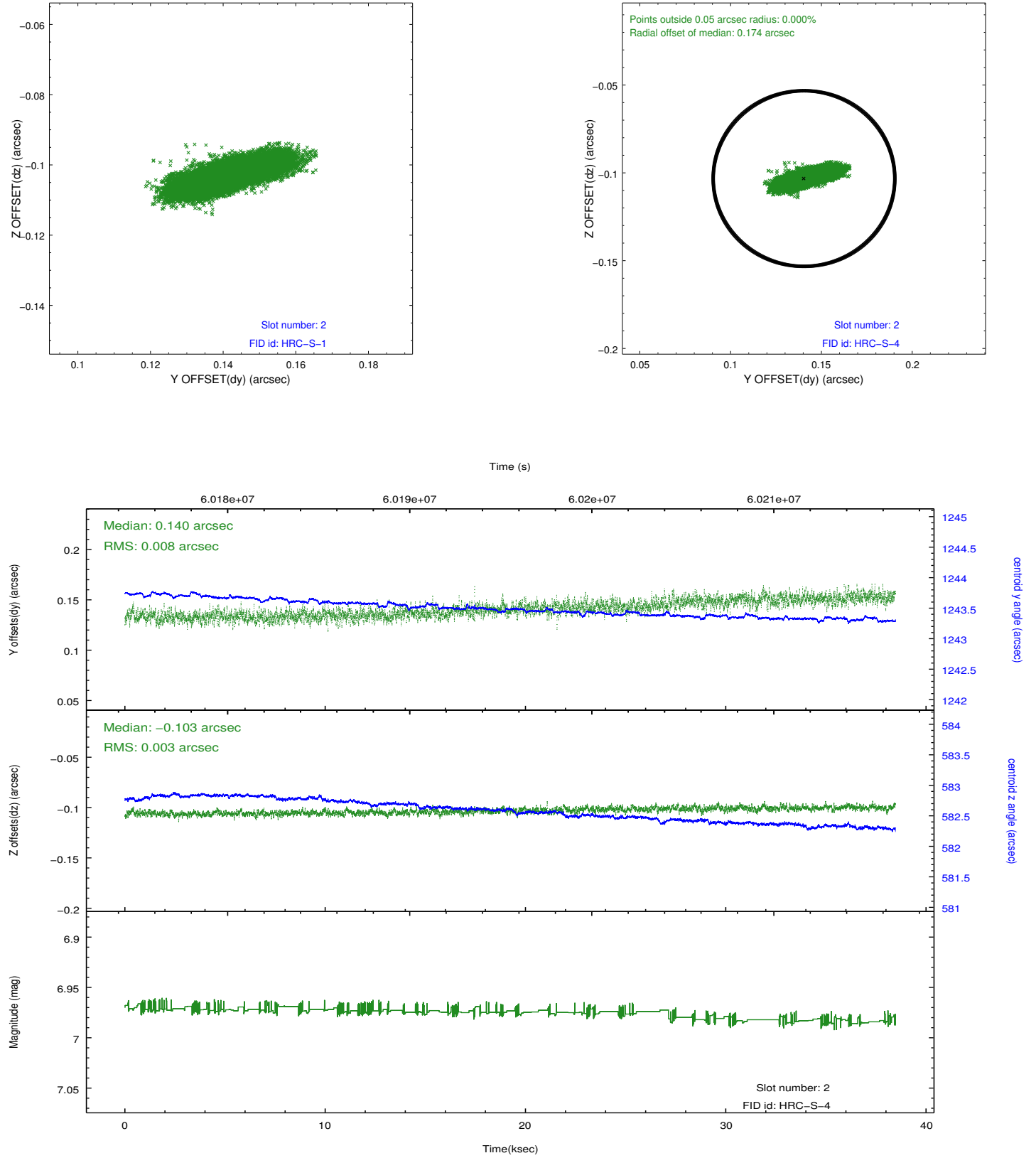
2.5.1 Slot 0



2.5.2 Slot 1

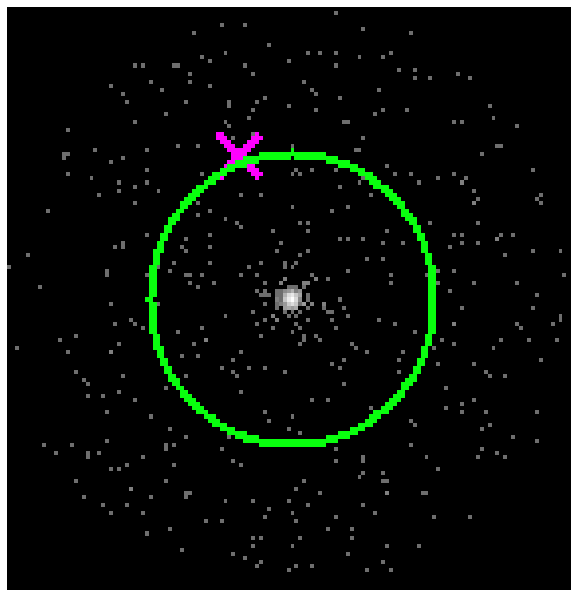


2.5.3 Slot 2

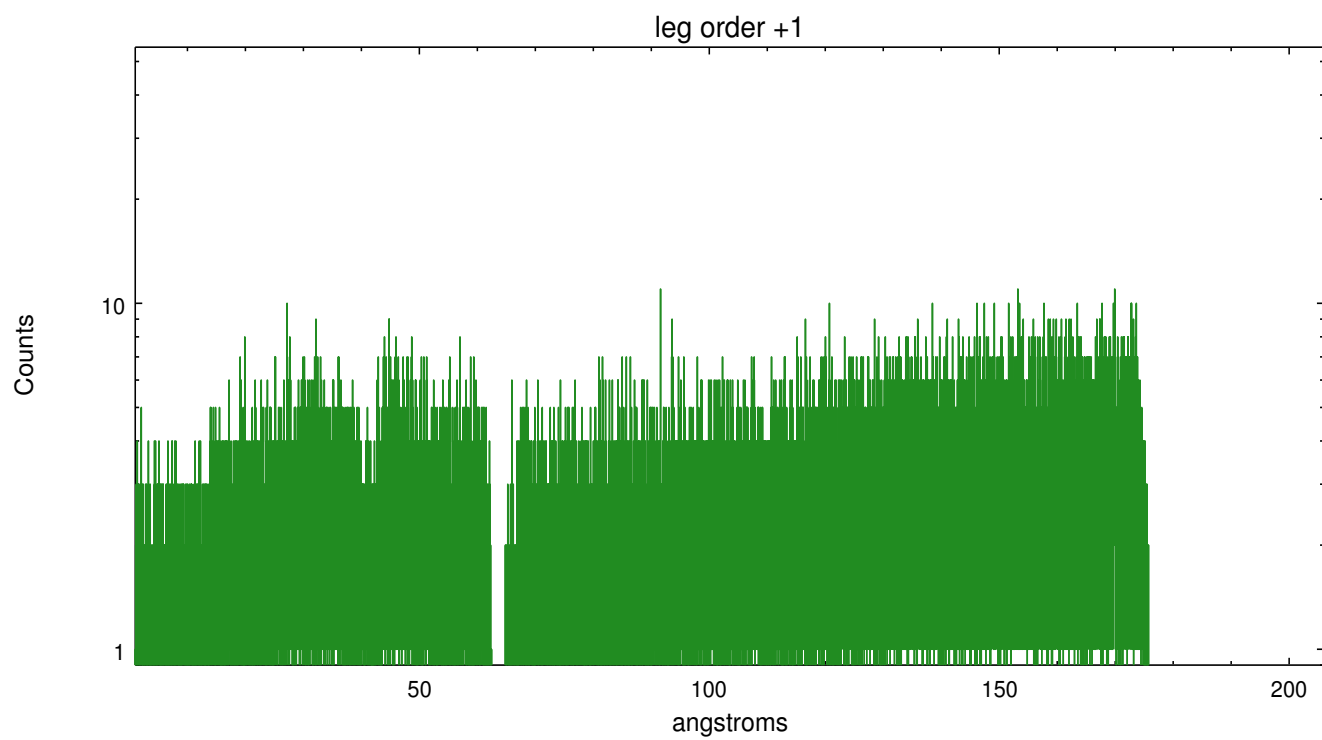
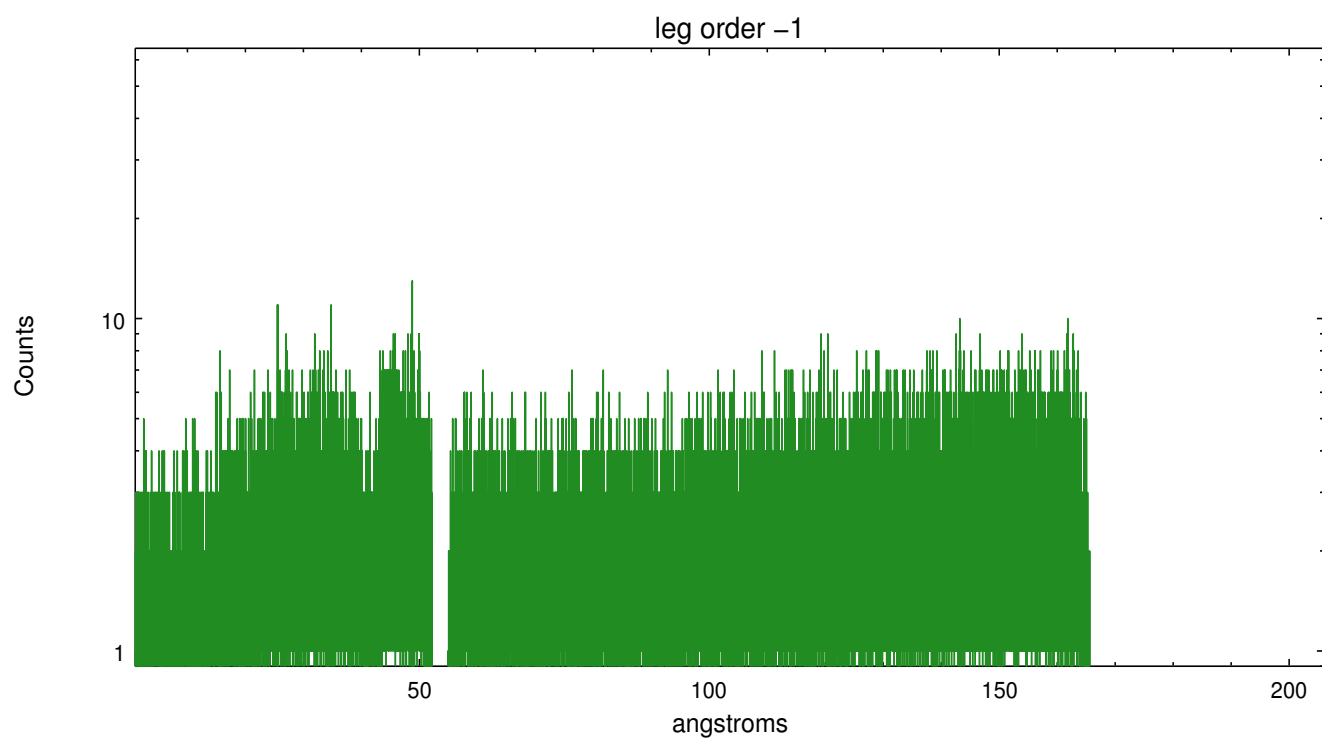


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.04.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.108

A.2 Comments