

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1977 - L2 Version 4  
Chandra X-Ray Center

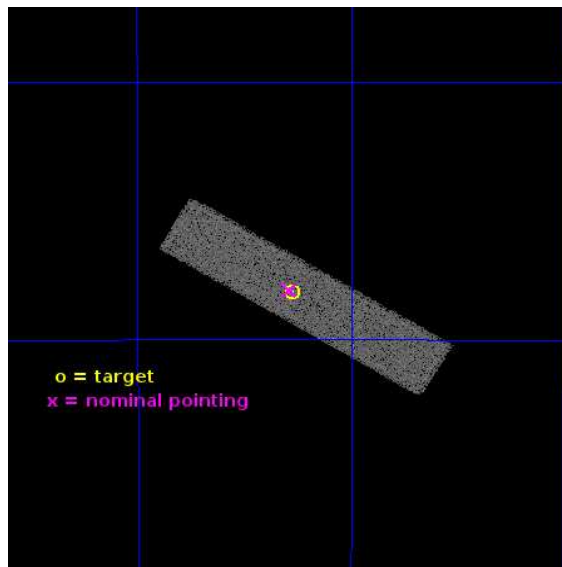
L2 Processing Date : Jun 28 2013

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# 1 Front

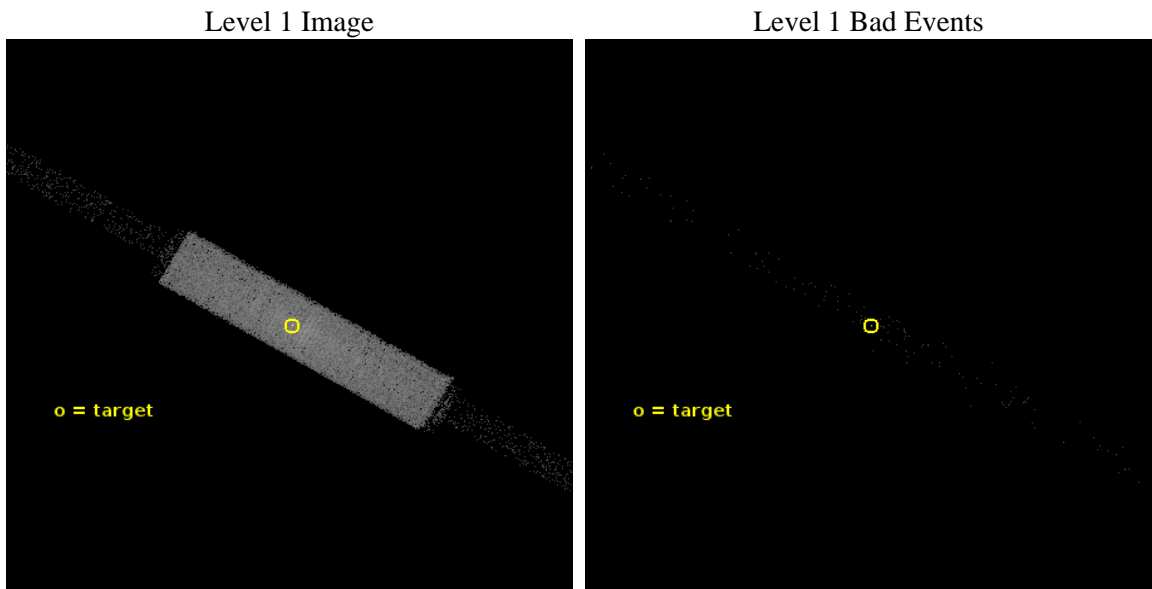
seq_num	500154	Sequence number
obs_id	1977	Observation id
title	SEARCH FOR THE BRIGHTEST ISOLATED NEUTRON STARS	Proposal title
observer	Prof. Robert Rutledge	Principal investigator
object	1RXSJ1328-3654	Source name
ra_targ	202.137917	Observer's specified target RA [deg]
dec_targ	-36.906944	Observer's specified target Dec [deg]
ra_nom	202.14449405688	Nominal RA [deg]
dec_nom	-36.904578550115	Nominal Dec [deg]
roll_nom	30.371537664766	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1291.756300047	[s]
livetime	1287.8207809681	Ontime multiplied by DTCOR
l2events	36245	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	1150.000000	[s] Scheduled observation exposure time
ascdsver	10	Processing system revision	ontime	1291.756300047	[s]
caldsver	4.5.7	&#160	l1events	95005	Number of level 1 events
date	2013-06-28T23:15:49	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

Level 1 Events

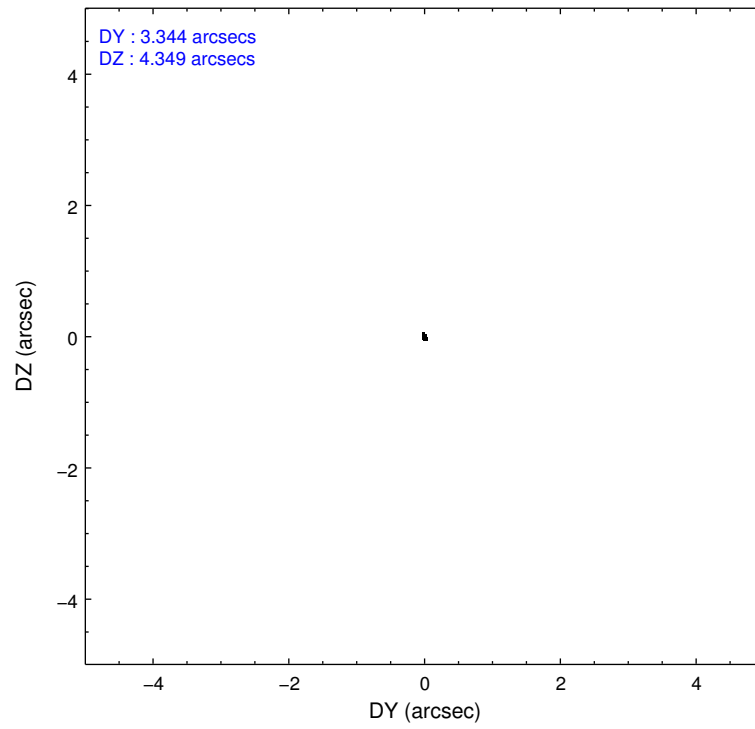
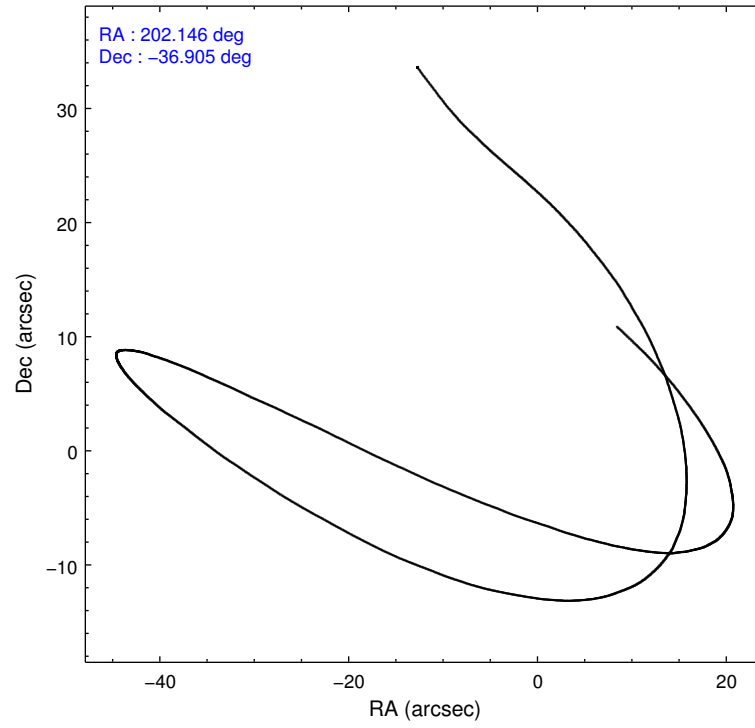
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1559	91988	1458
rejected events	1474	34622	1458
rejected %	94%	37%	100%

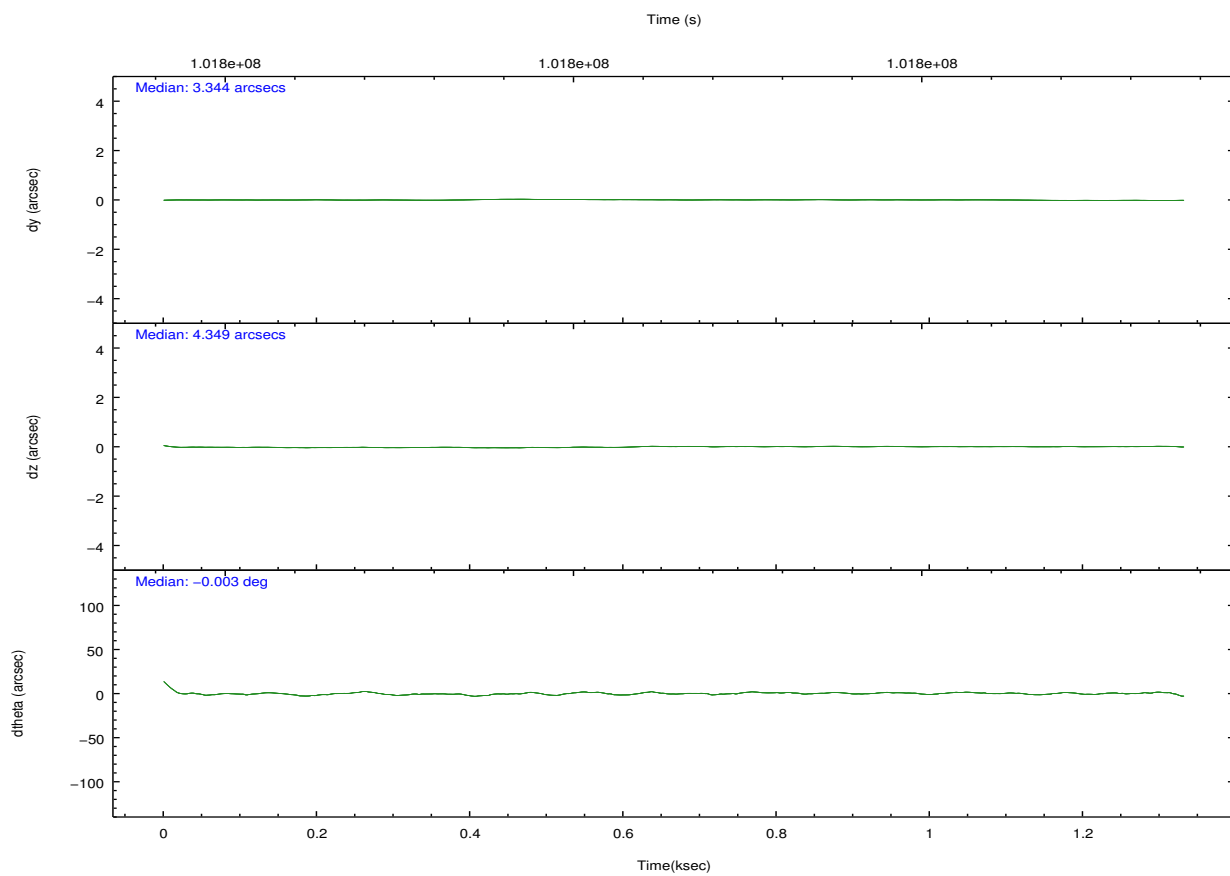
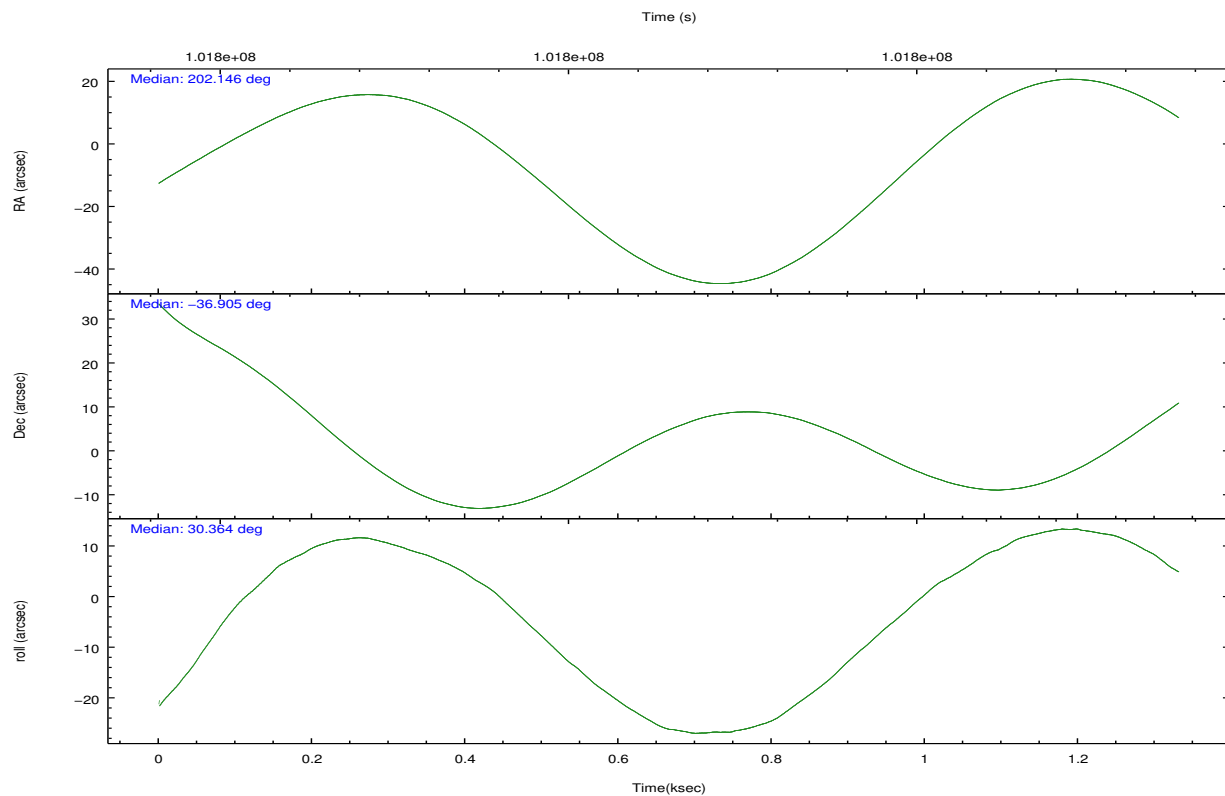
## 2.2 Compared Parameters

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	202.126929	202.1444940568815
[deg] Pointing Dec	-36.930226	-36.9045785501152
[deg] Pointing Roll	30.293714	30.37153766476644
[mm] SIM focus pos	-1.529586	-1.523540733526241
[mm] SIM defocus	0.003750771043328743	0.009795905878055677
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	101804158.184000	101803219.31267
Observation start date	2001-03-24T06:54:54	2001-03-24T06:40:19
[s] Observation end time (MET)	101805308.184000	101806061.12528
Observation end date	2001-03-24T07:14:04	2001-03-24T07:27:41

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

## 2.3 Aspect





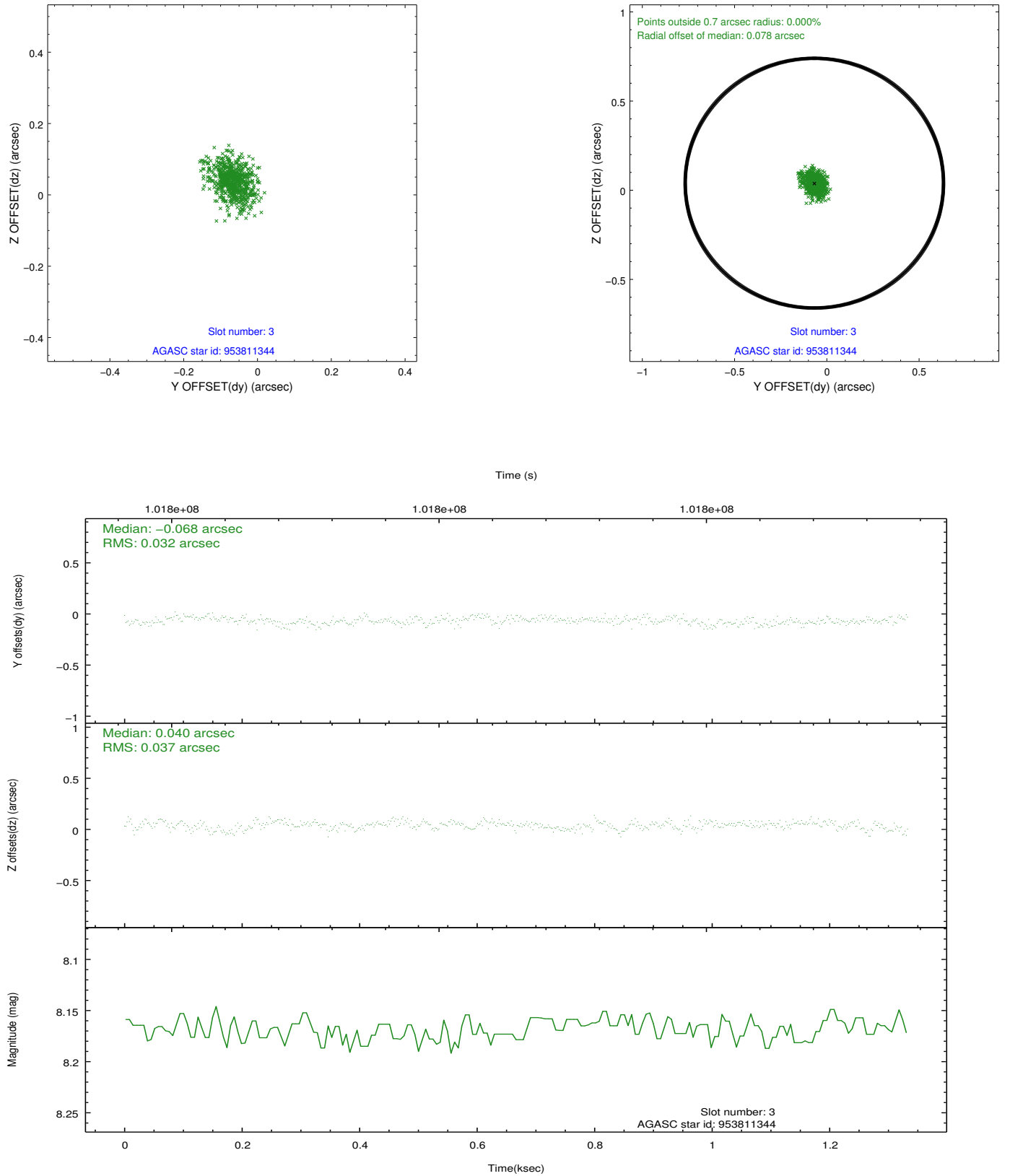
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.97	325	0.135	-0.134	0.007	0.010	0.000000	0.000000	-1157.40	-452.75
1	FID	HRC-S-3	7.00	325	0.135	-0.060	0.008	0.013	0.000000	0.000000	-1163.67	575.45
2	FID	HRC-S-4	6.93	325	0.117	-0.103	0.004	0.008	0.000000	0.000000	1237.25	581.10
3	GUIDE	953811344	8.17	651	-0.068	0.040	0.053	0.086	202.585954	-36.915917	1161.94	-623.55
4	GUIDE	953824000	8.46	651	-0.174	0.112	0.058	0.091	202.810763	-36.686857	2141.35	-245.00
5	GUIDE	953686896	8.99	651	0.164	-0.058	0.073	0.119	201.812062	-36.628347	-238.03	1396.44
6	GUIDE	1020657872	8.93	651	0.005	0.198	0.088	0.136	202.398207	-37.559947	-479.00	-2345.67
7	GUIDE	953685968	9.24	650	0.066	-0.288	0.097	0.151	201.497729	-36.547321	-883.17	2099.94

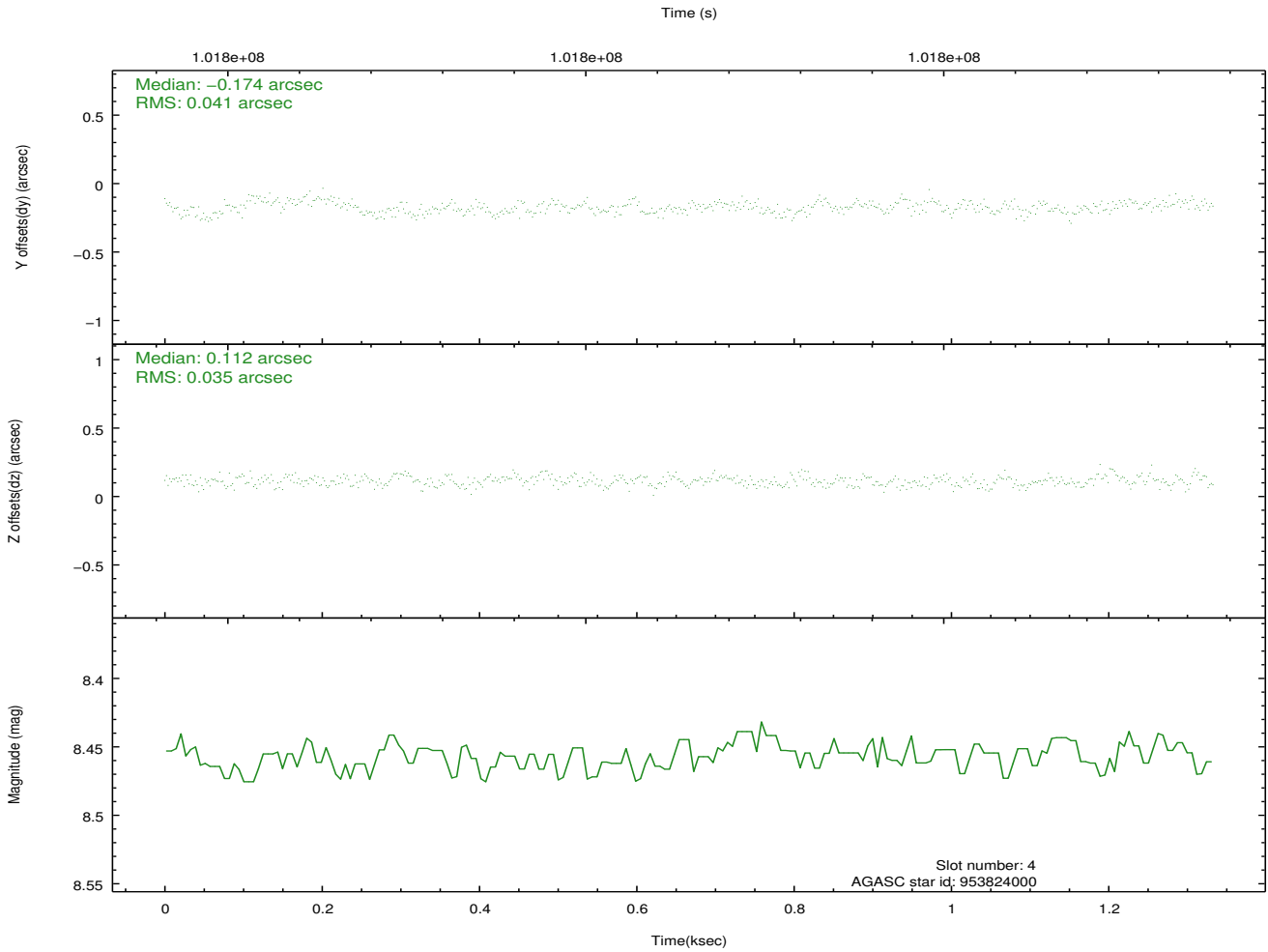
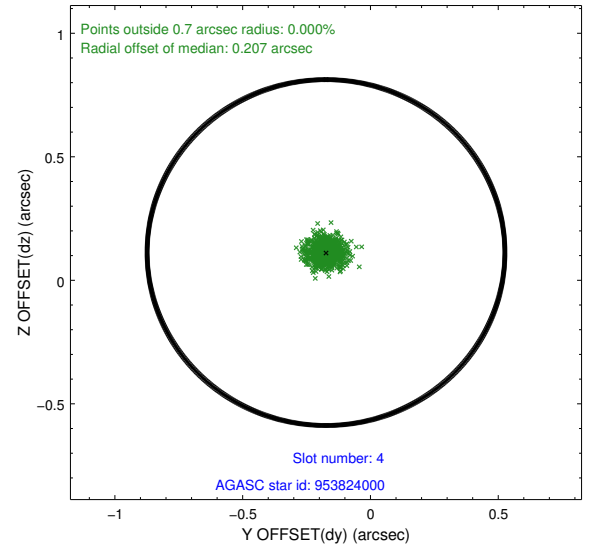
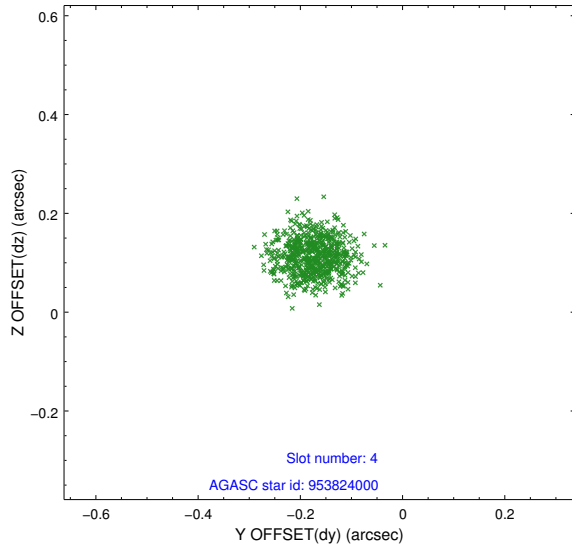


## 2.4 Star Slots

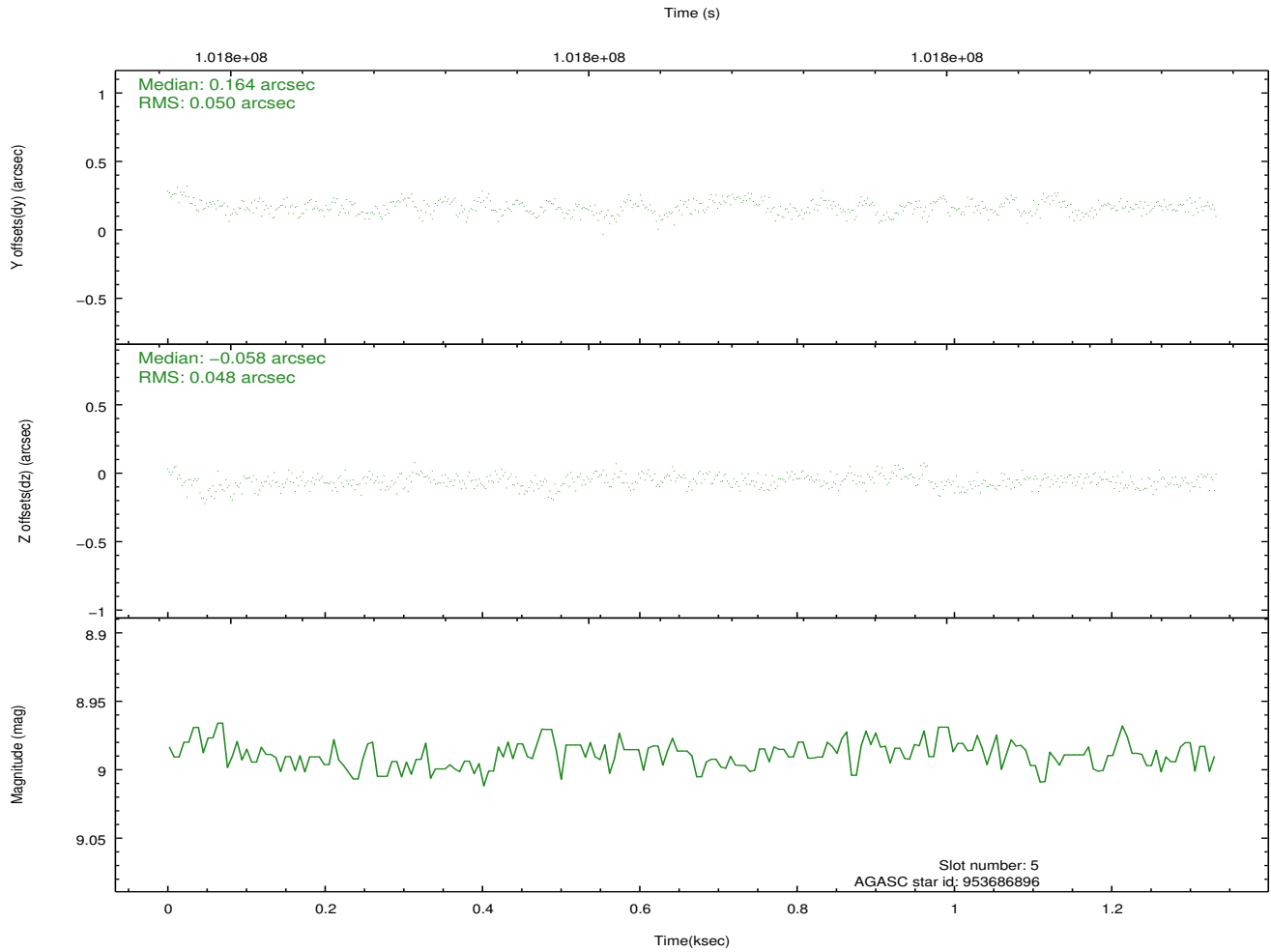
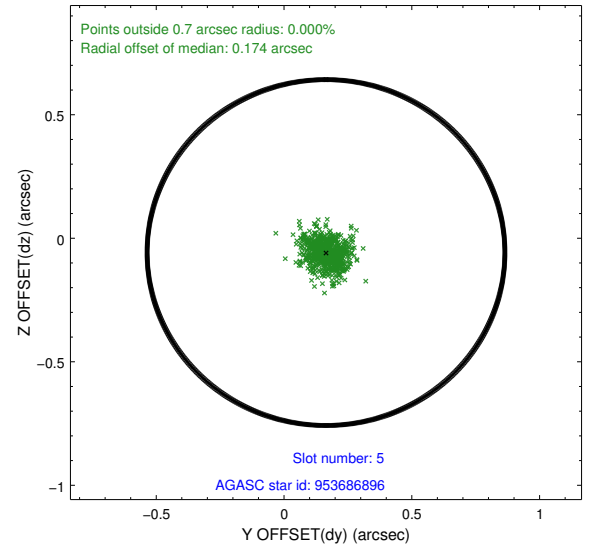
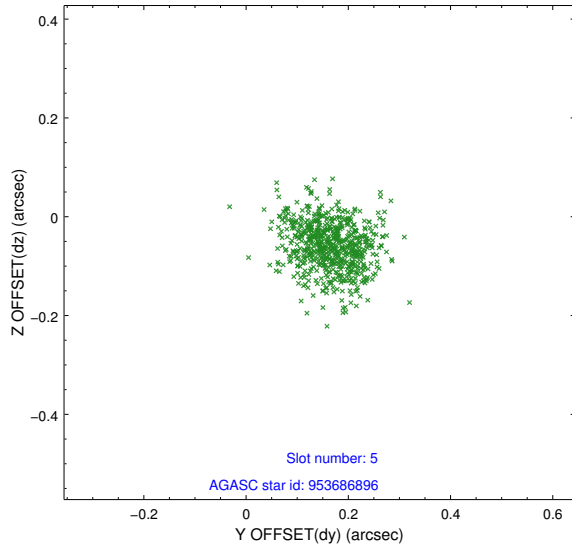
### 2.4.1 Slot 3



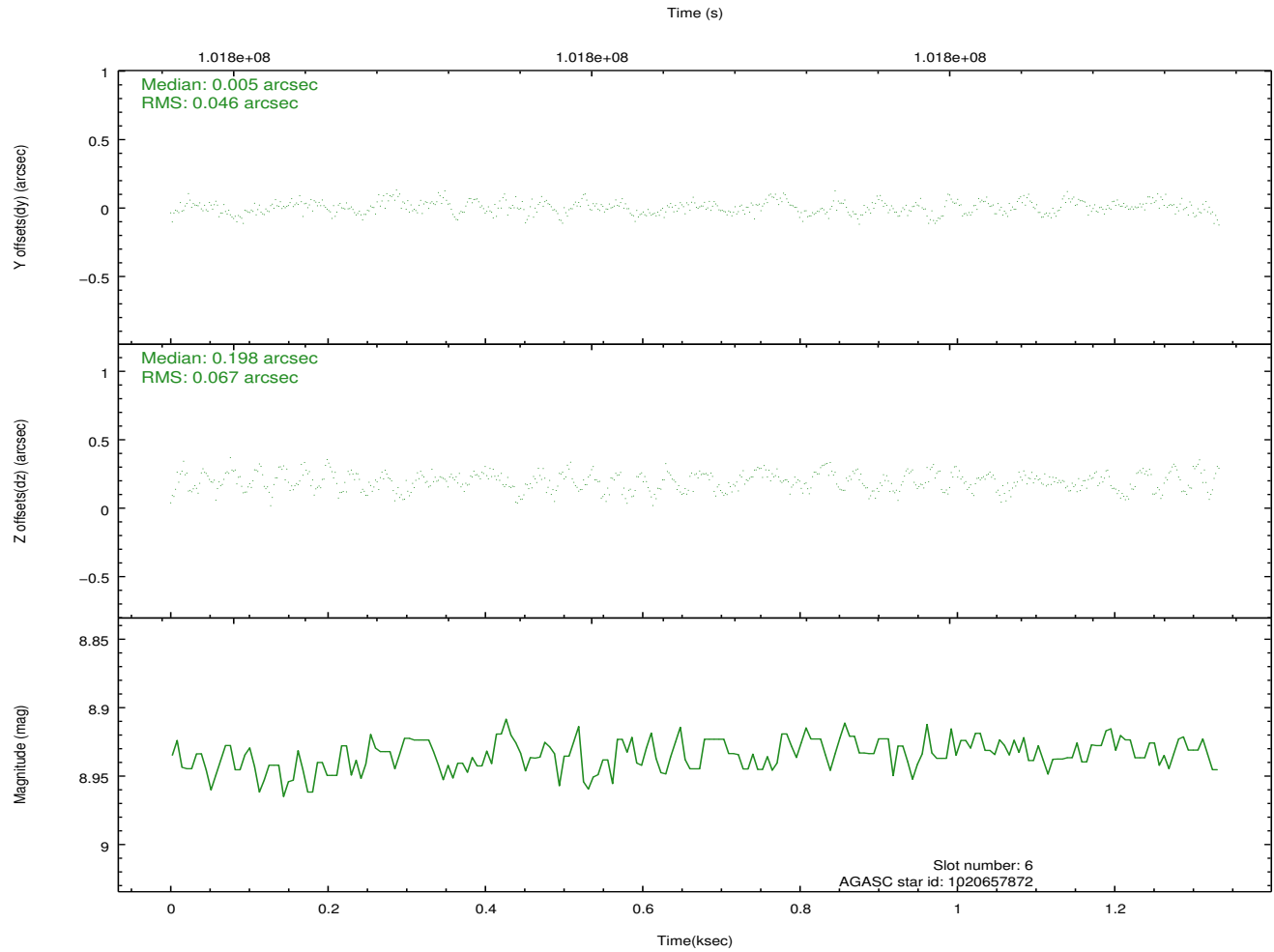
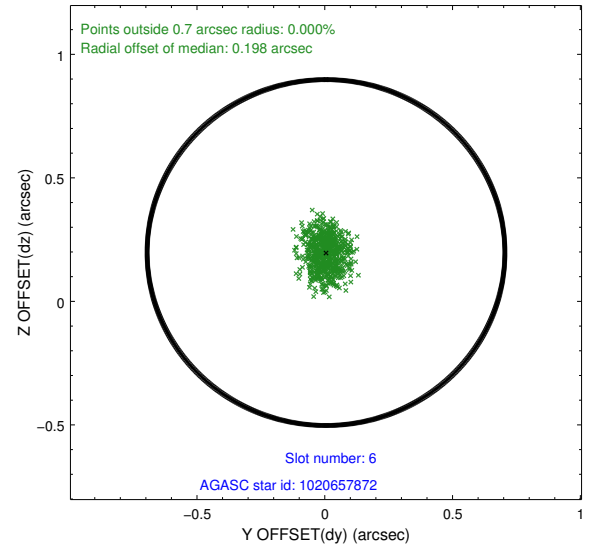
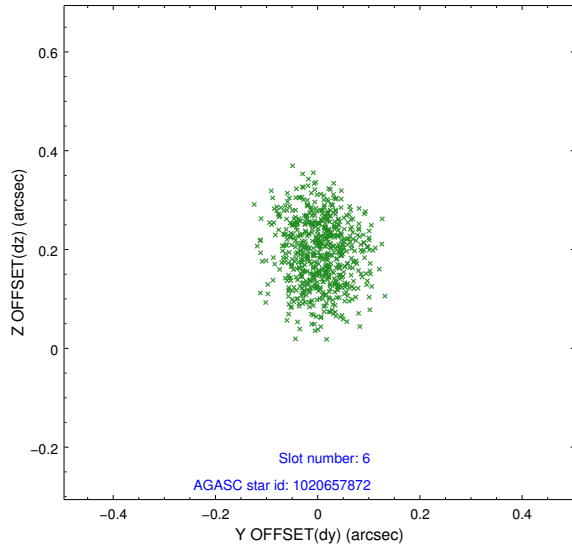
## 2.4.2 Slot 4



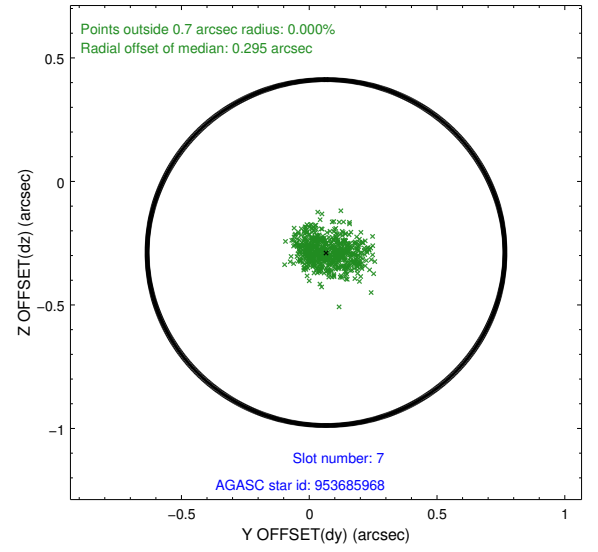
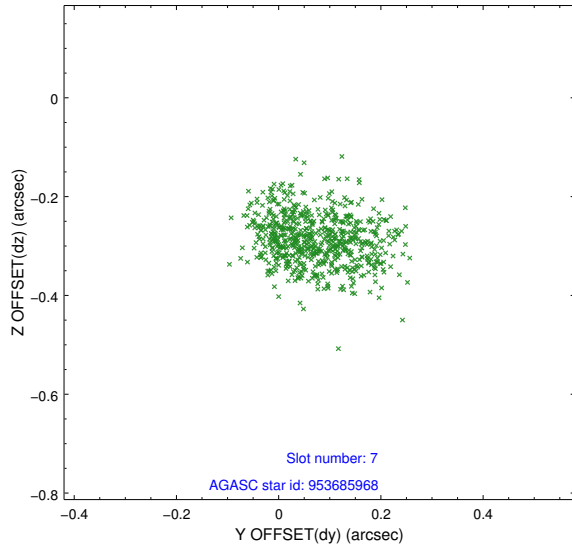
### 2.4.3 Slot 5



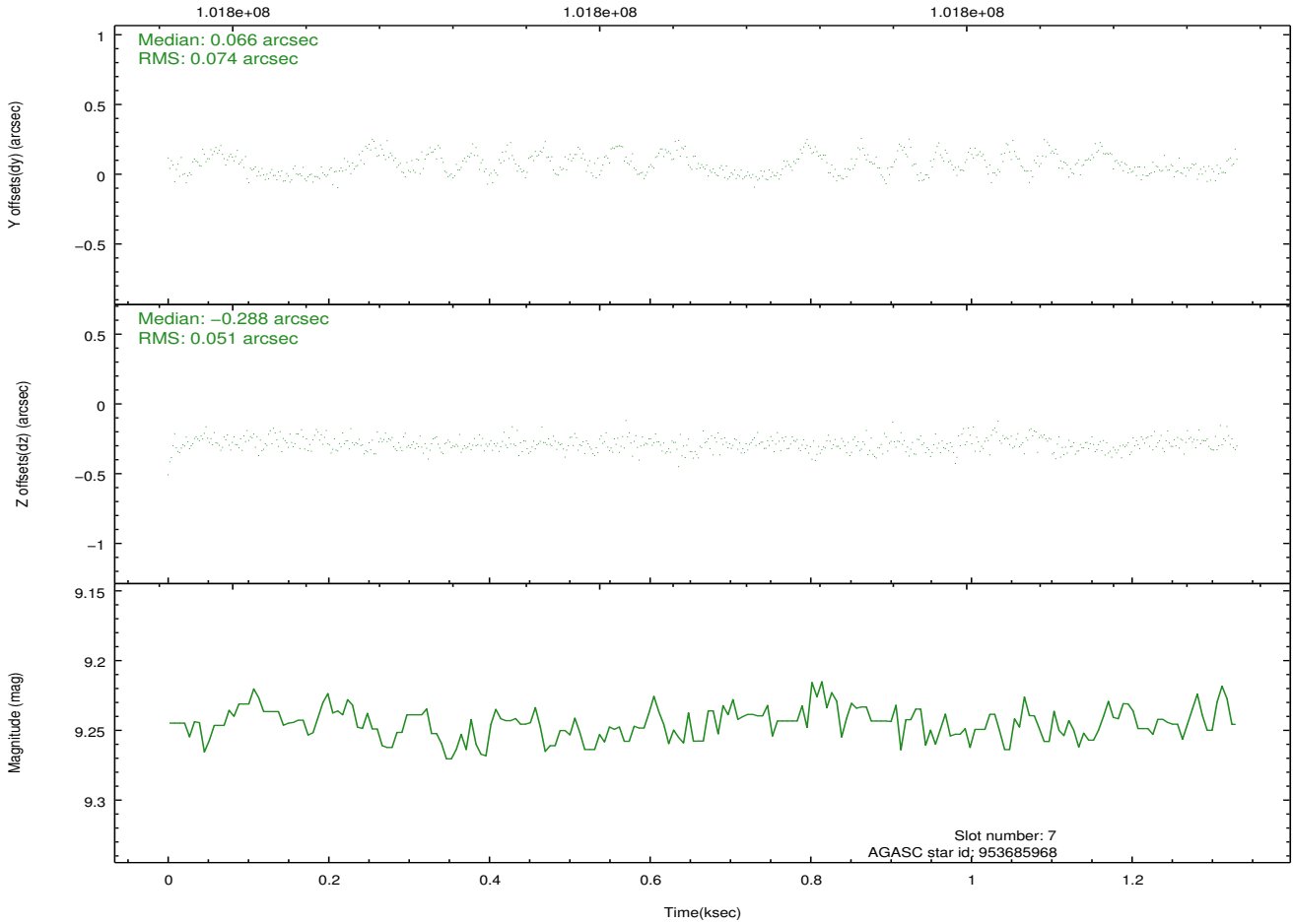
## 2.4.4 Slot 6



## 2.4.5 Slot 7

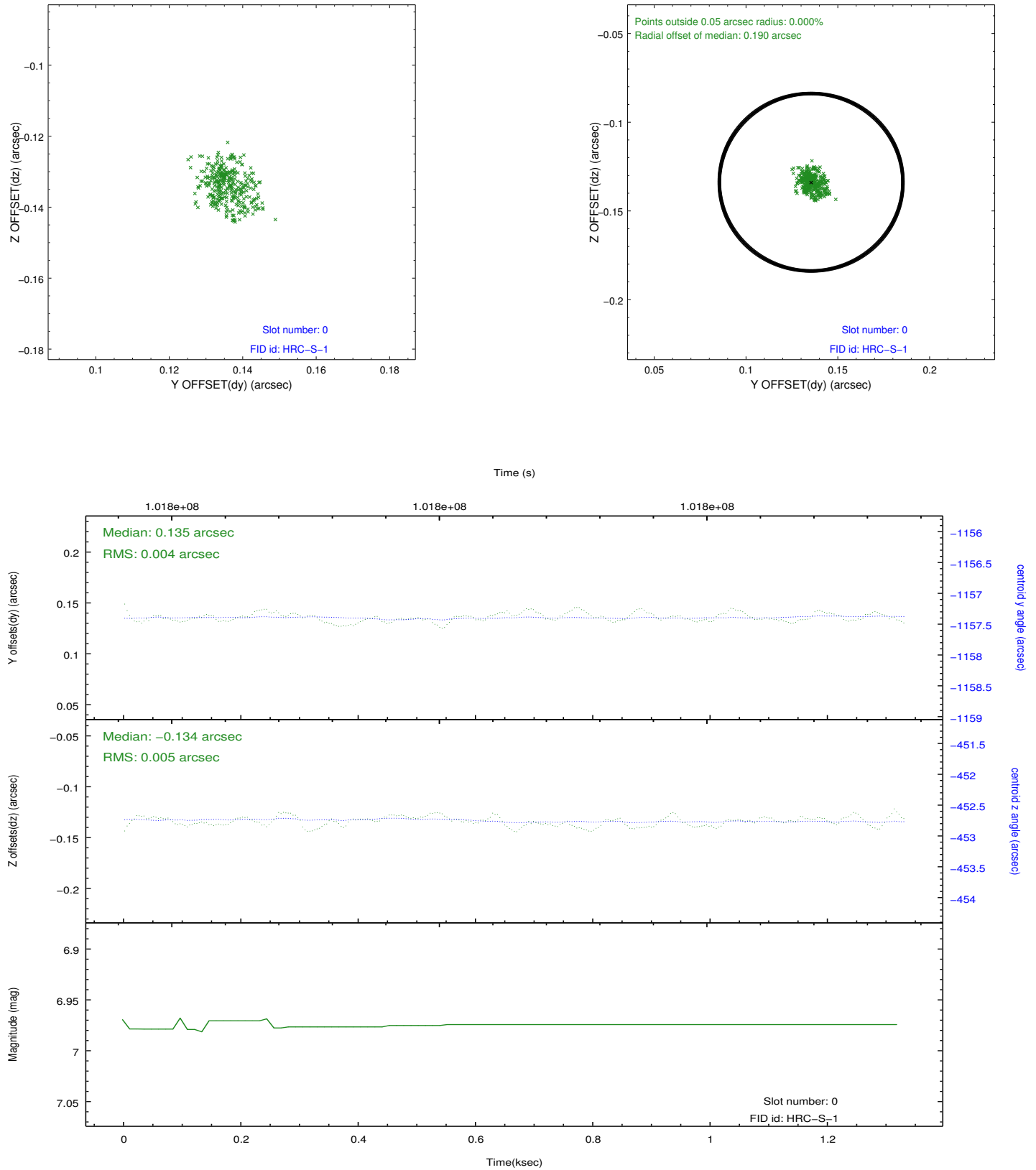


Time (s)

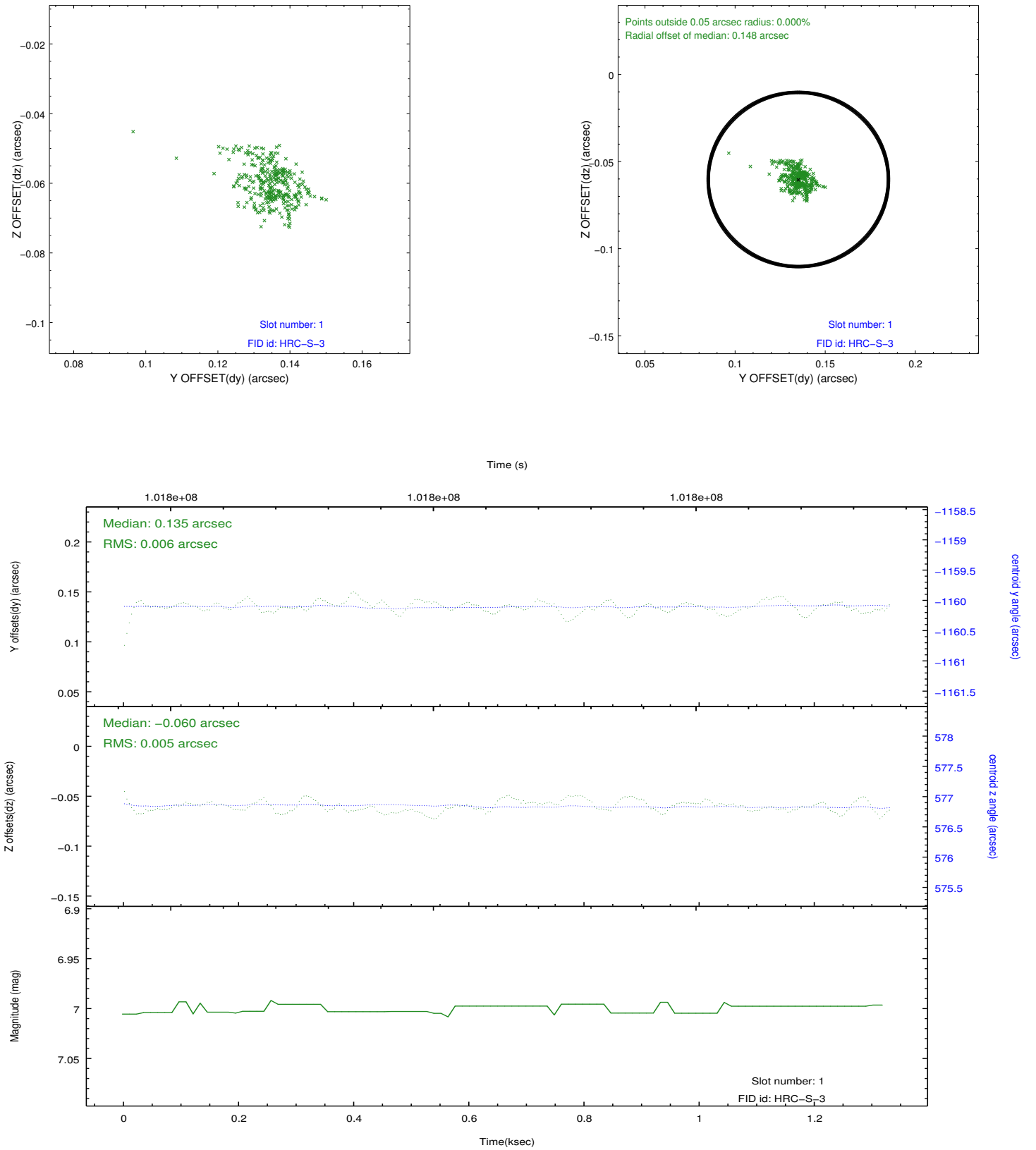


## 2.5 FID Slots

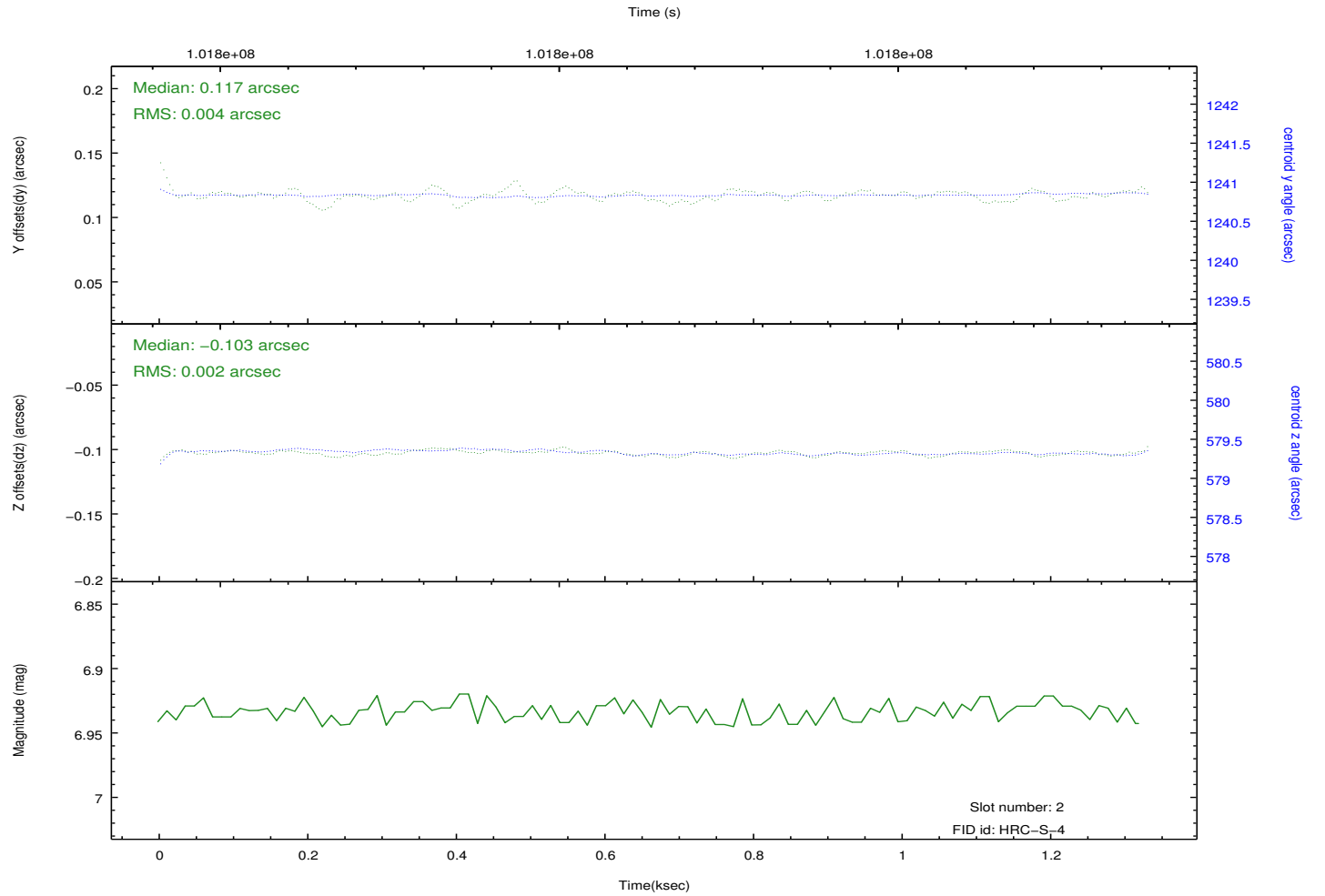
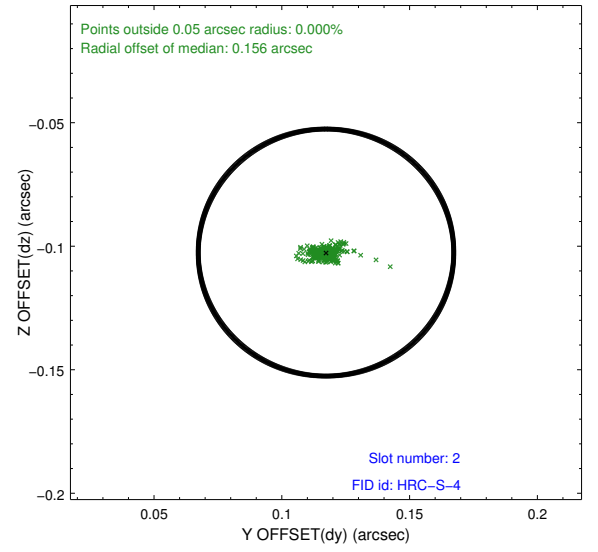
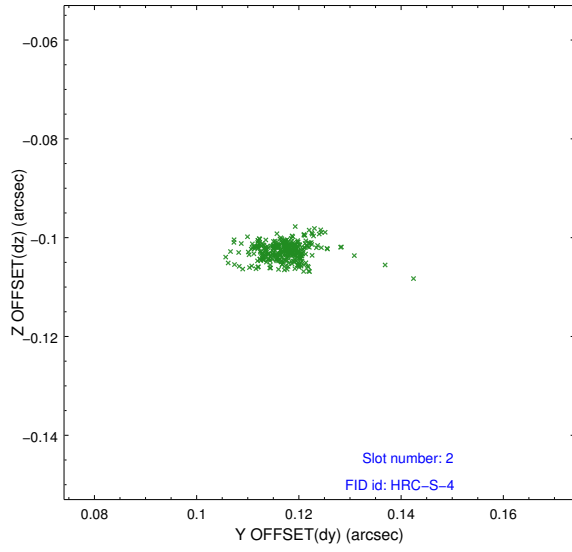
### 2.5.1 Slot 0



## 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	1.329

### A.2 Comments

Charge time for this observation remains at previous value of 1.329 ksec.