

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2175 - L2 Version 3  
Chandra X-Ray Center

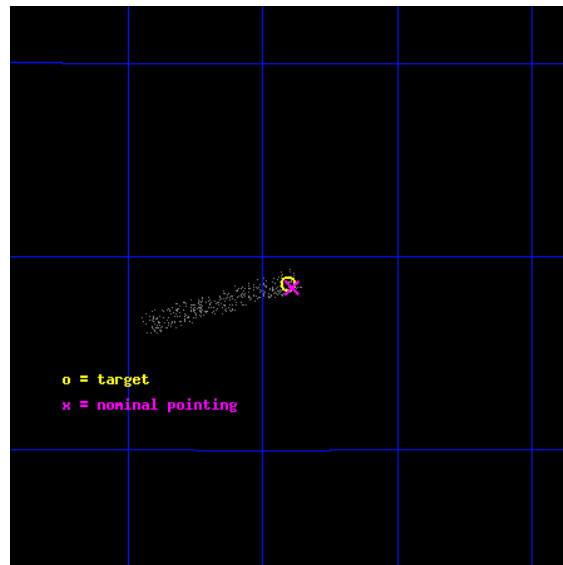
L2 Processing Date : Sep 5 2012

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# 1 Front

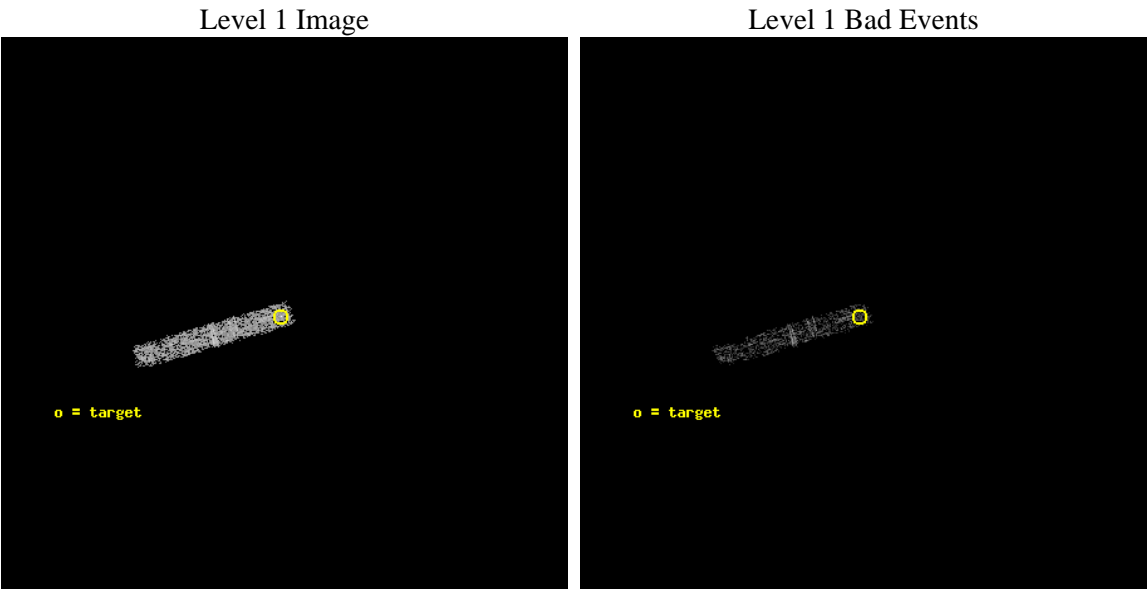
seq_num	700365	Sequence number
obs_id	2175	Observation id
title	RED QUASARS AND THE X-RAY BACKGROUND	Proposal title
observer	Dr. Belinda Wilkes	Principal investigator
object	2MASSJ222554+1958	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	336.47625	Observer's specified target RA [deg]
dec_targ	19.976944	Observer's specified target Dec [deg]
ra_nom	336.47306259324	Nominal RA [deg]
dec_nom	19.973231186445	Nominal Dec [deg]
roll_nom	254.12591573499	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4256.9589599967	Sum of GTIs [s]
livetime	3934.051973973	Livetime [s]
ontime3	4256.9589599967	Sum of GTIs [s]
l2events	450	Number of level 2 events



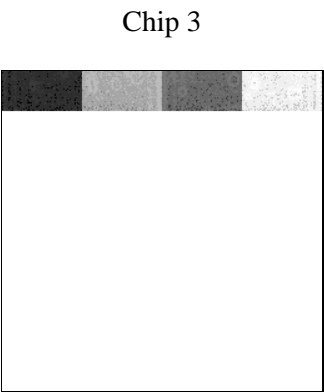
# 2 OBI

## 2.1 OBI

### 2.1.1 Images



### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4100.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4256.9589599967	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime3	4256.9589599967	Sum of GTIs [s]
date	2012-09-05T10:36:58	Date and time of file creation	l1events	6851	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 3</b>
level 1 events	6851
rejected events	6280
rejected %	91%

	<b>ccd 3</b>
grade 0 events	240
	3%
grade 1 events	1
	0%
grade 2 events	119
	1%
grade 3 events	117
	1%
grade 4 events	127
	1%
grade 5 events	144
	2%
grade 6 events	96
	1%
grade 7 events	6007
	87%

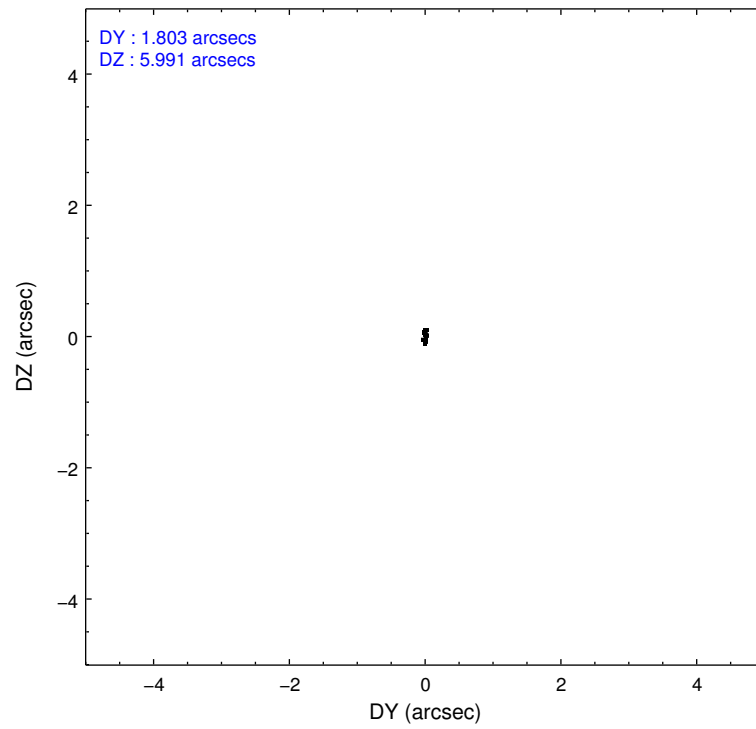
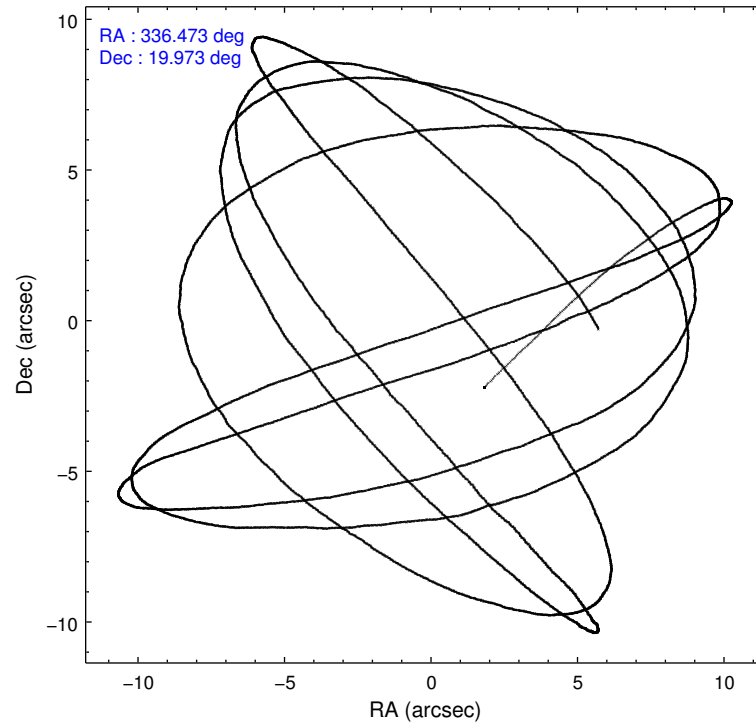


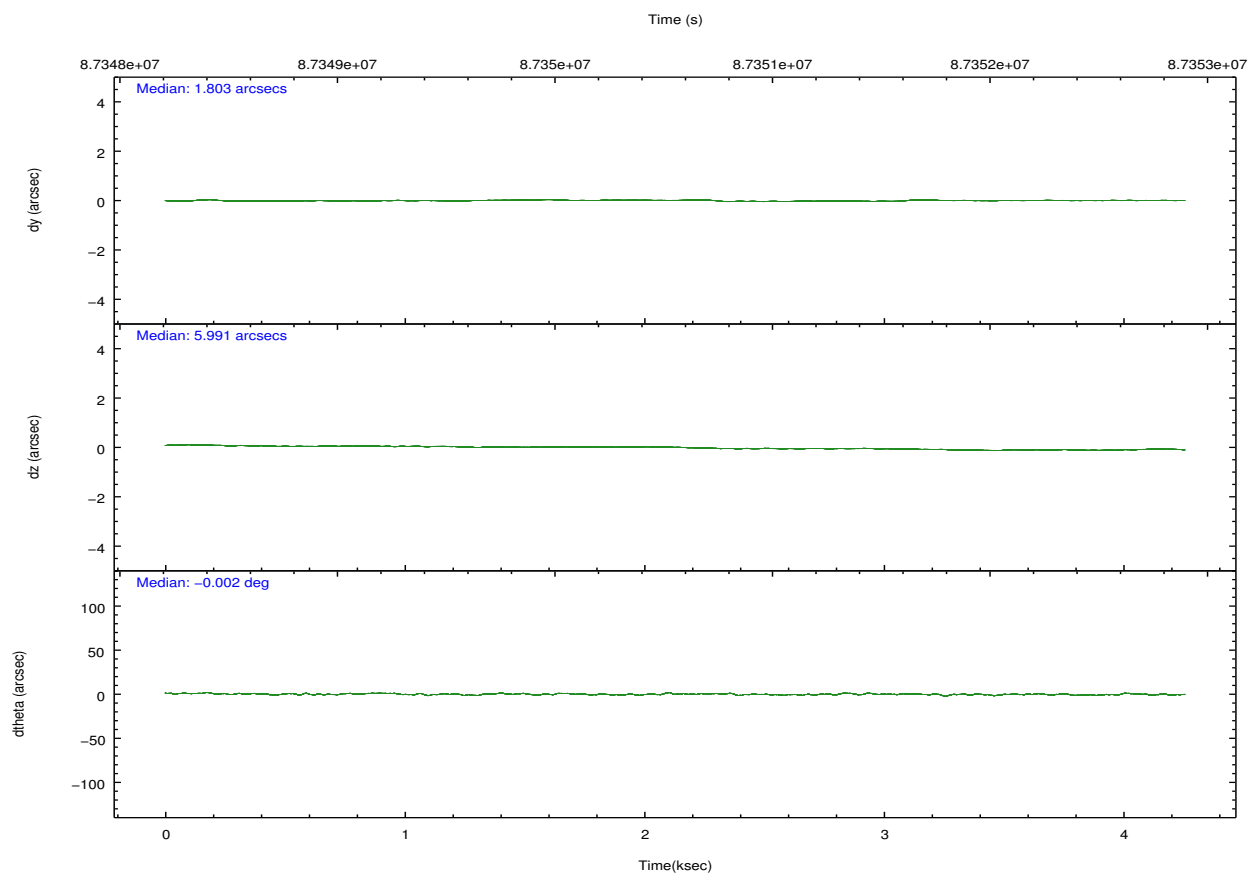
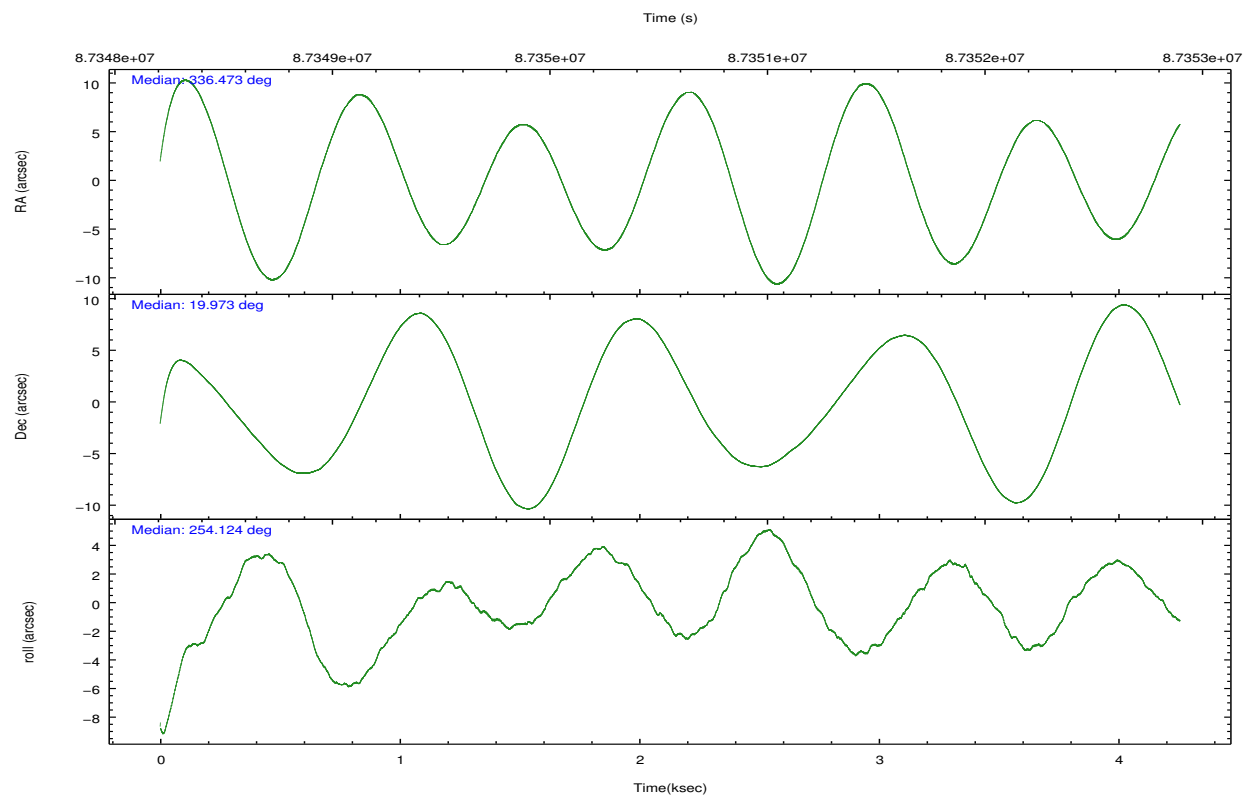
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-3	ACIS-3
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	336.465926	336.4730625932427
[deg] Pointing Dec	19.999858	19.97323118644456
[deg] Pointing Roll	253.919676	254.1259157349916
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-233.592463	-233.5874344608287
[mm] SIM translation stage offset	0	-0.005018542100998502
[s] Observation start time (MET)	87348579.184000	87347461.30929101
Observation start date	2000-10-07T23:28:35	2000-10-07T23:11:01
[s] Observation end time (MET)	87352679.184000	87352994.772
Observation end date	2000-10-08T00:36:55	2000-10-08T00:43:14
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	897	897
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.5

## 2.3 Aspect



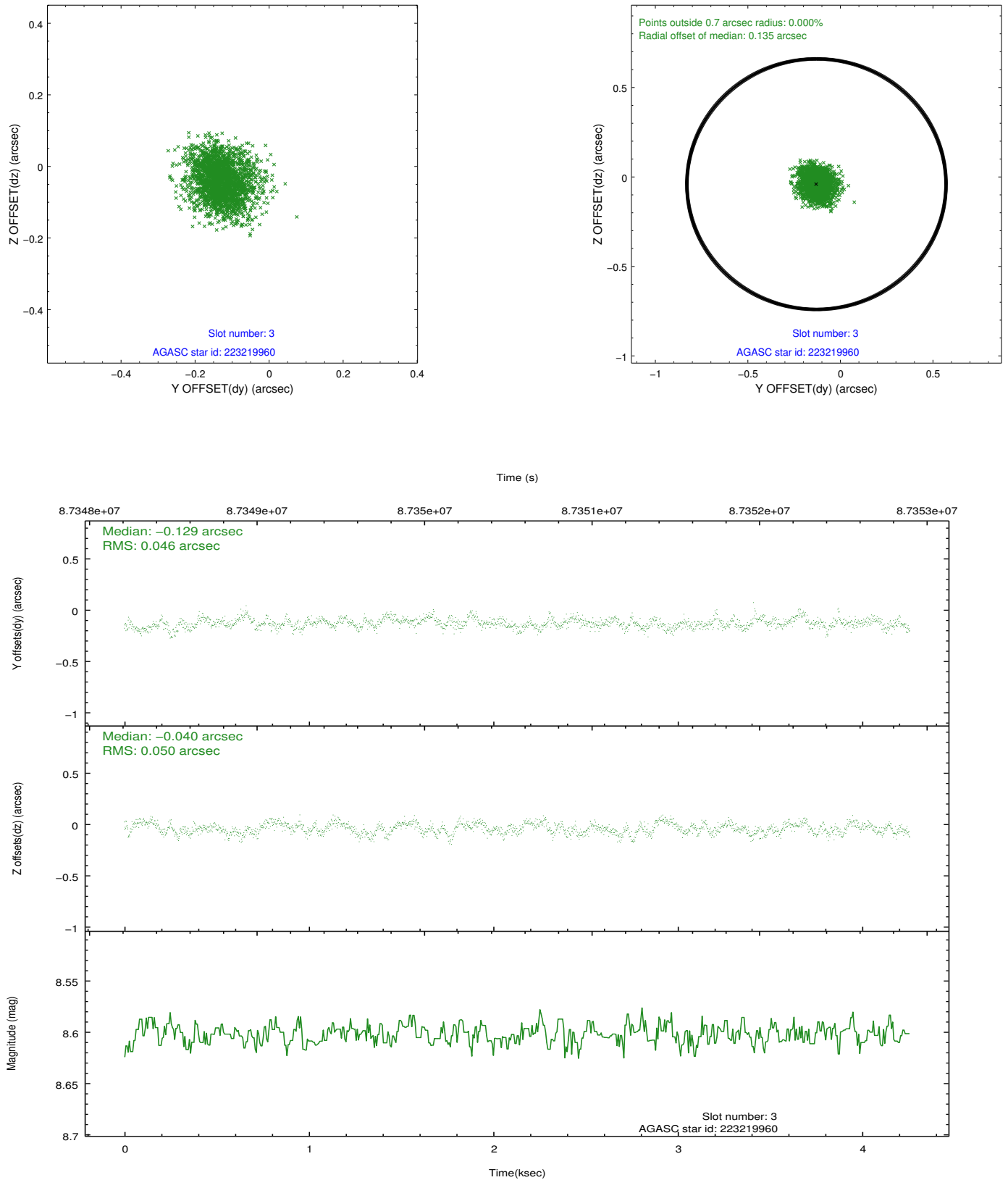


### Slot Statistics

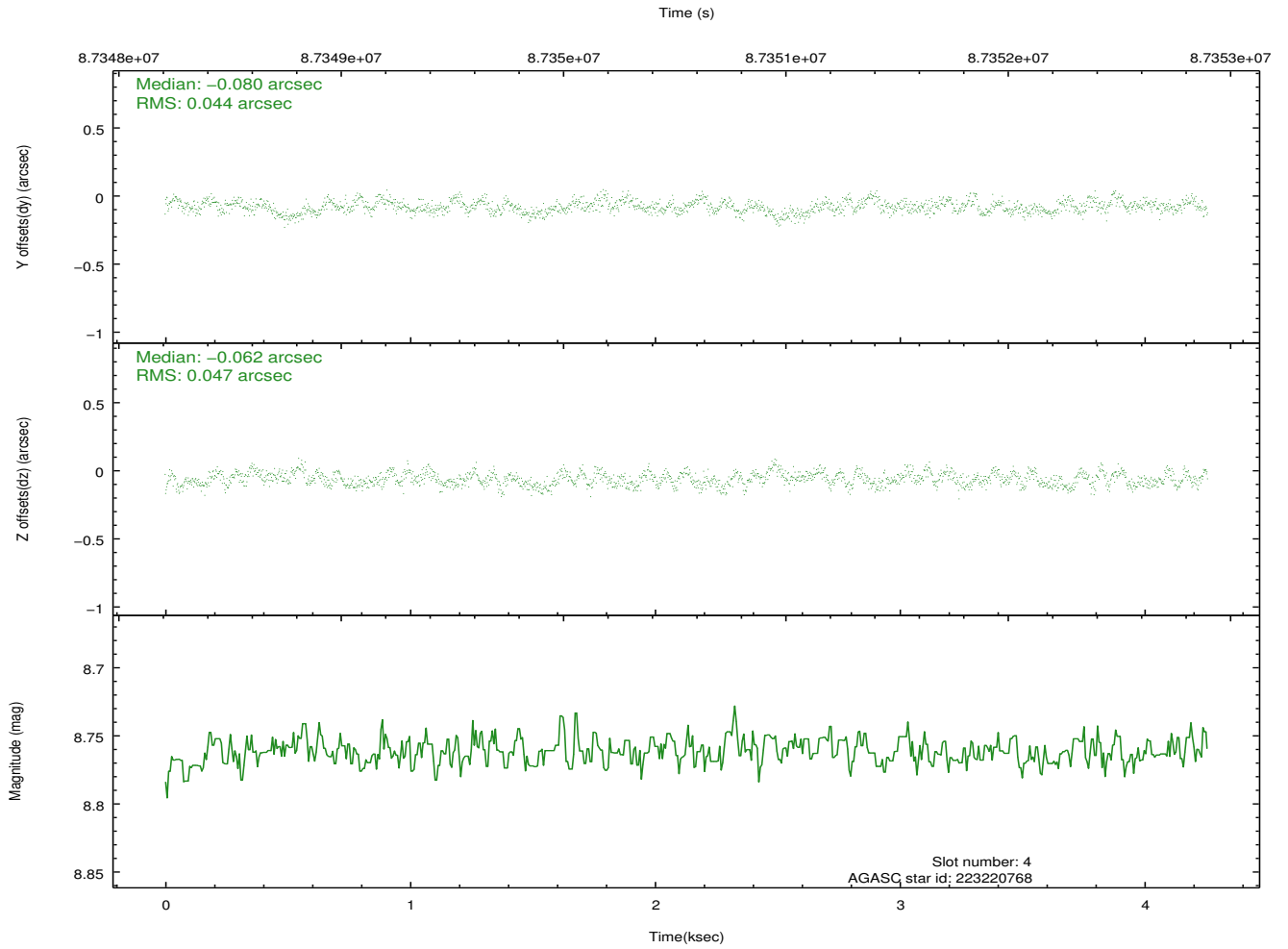
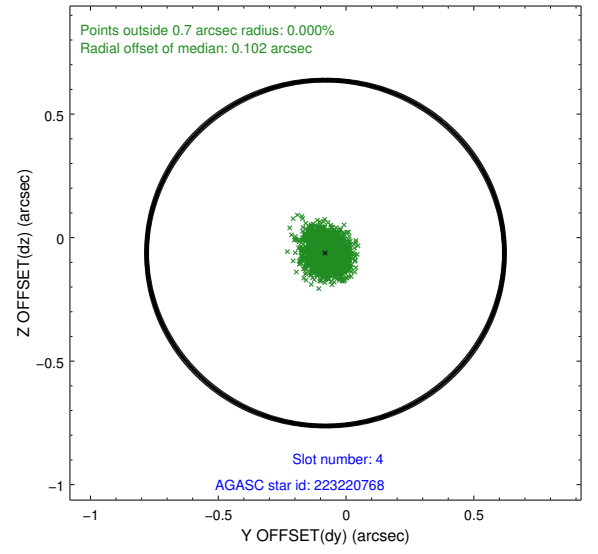
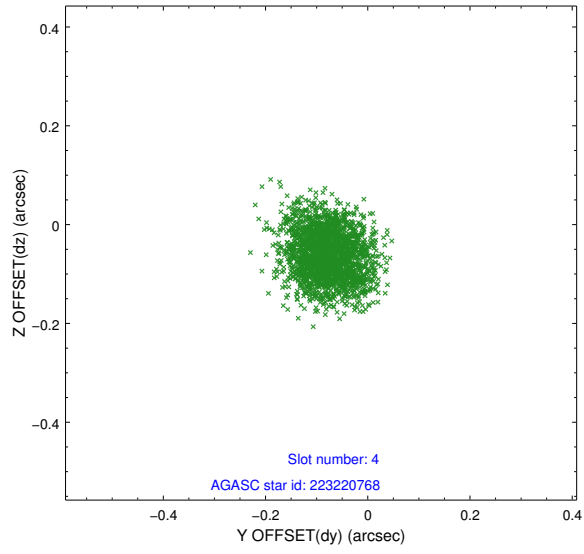
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1038	-0.041	-0.062	0.008	0.014	0.000000	0.000000	-756.18	-835.77
1	FID	ACIS-I-4	7.18	1039	-0.028	0.047	0.006	0.011	0.000000	0.000000	2157.23	1069.79
2	FID	ACIS-I-5	7.23	1039	-0.032	0.084	0.008	0.013	0.000000	0.000000	-1808.13	1069.33
3	GUIDE	223219960	8.60	2078	-0.129	-0.040	0.073	0.119	336.624983	20.295254	-1170.24	220.83
4	GUIDE	223220768	8.76	2078	-0.080	-0.062	0.070	0.109	336.138894	20.276133	-650.67	-1337.48
5	GUIDE	223223880	9.35	2077	0.022	0.135	0.083	0.130	336.740616	19.239627	2370.82	1654.11
6	GUIDE	223223472	9.44	2076	0.103	0.054	0.091	0.149	336.930469	19.385835	1686.88	2127.95
7	GUIDE	223225704	9.52	2075	0.090	-0.090	0.087	0.142	336.445393	19.526420	1658.60	405.61

## 2.4 Star Slots

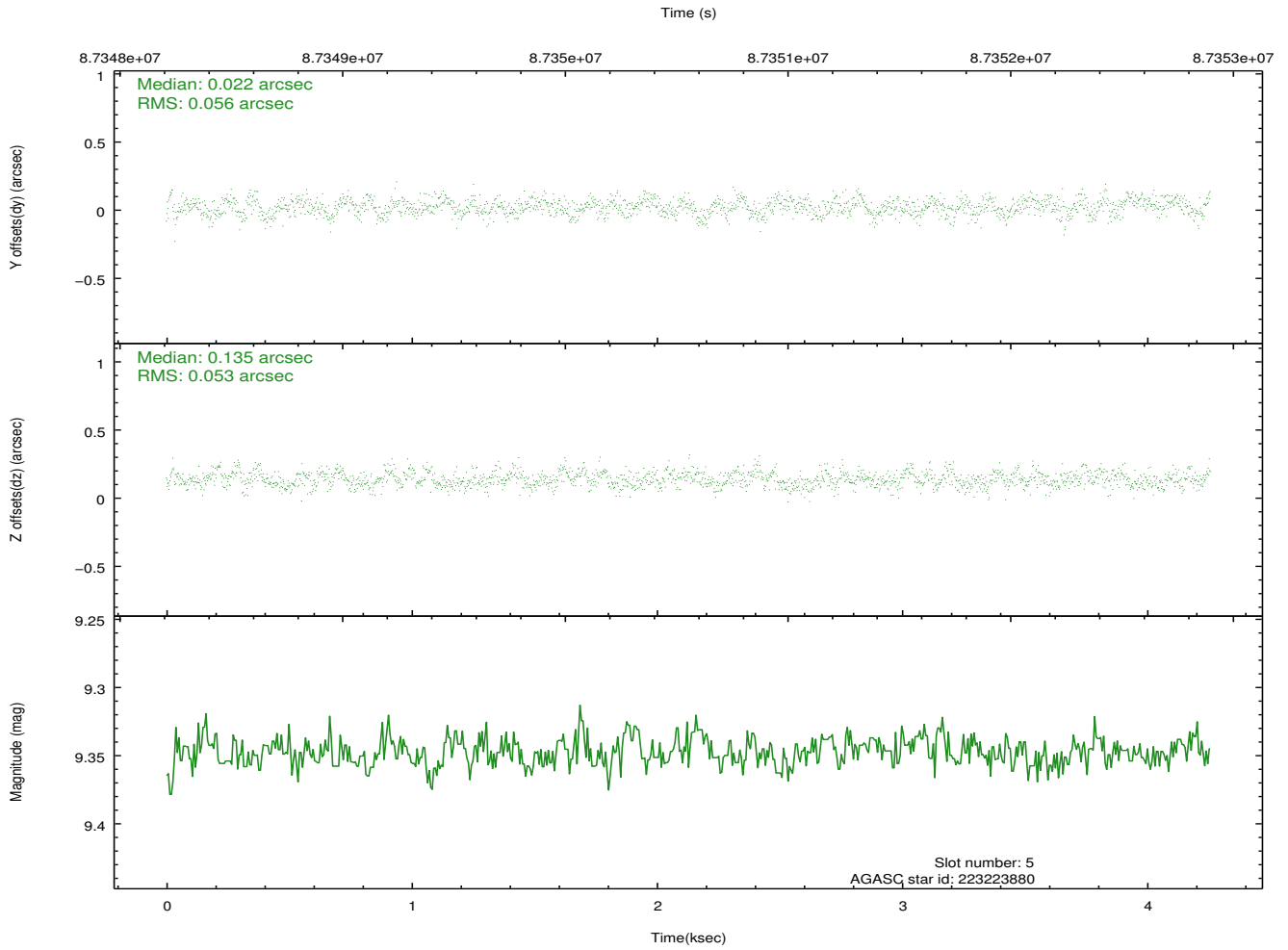
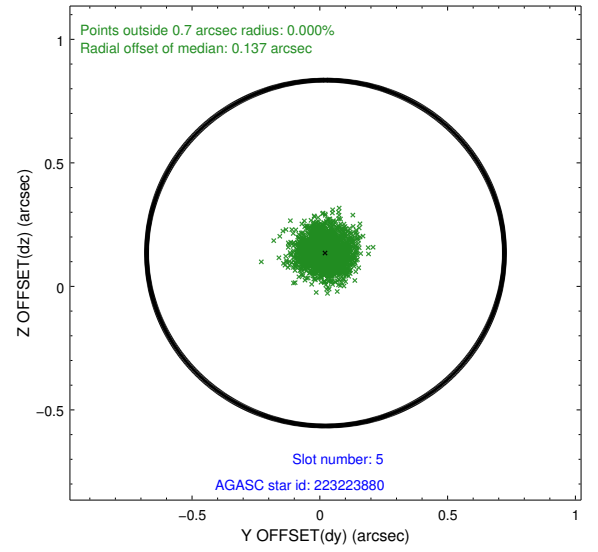
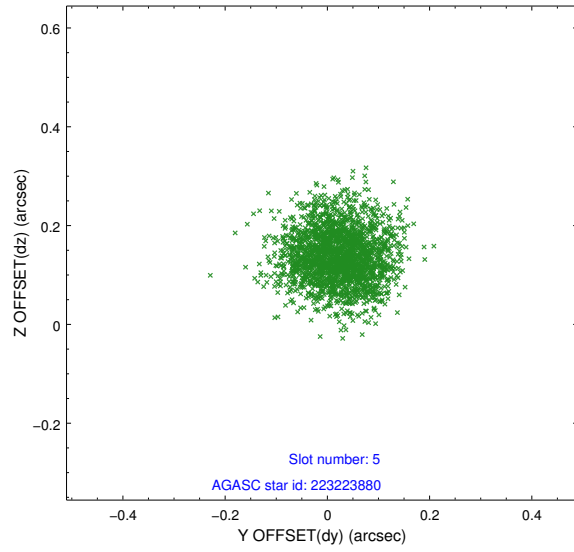
### 2.4.1 Slot 3



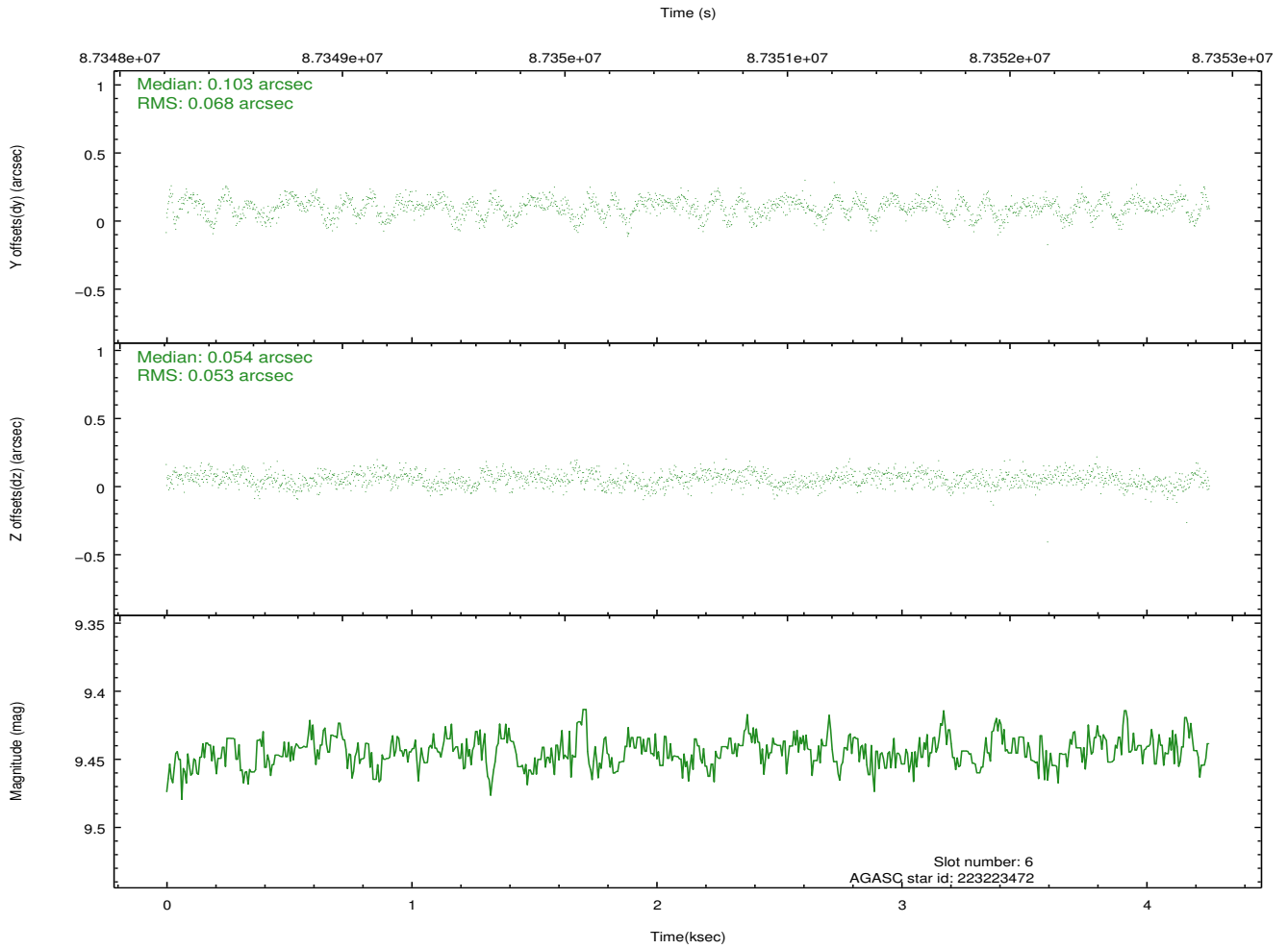
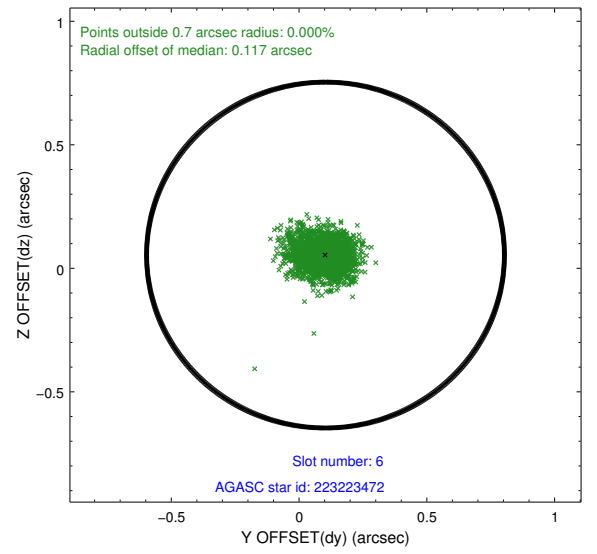
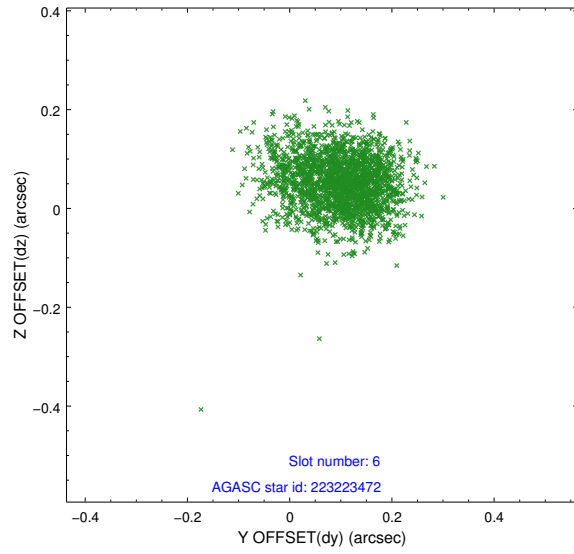
## 2.4.2 Slot 4



### 2.4.3 Slot 5

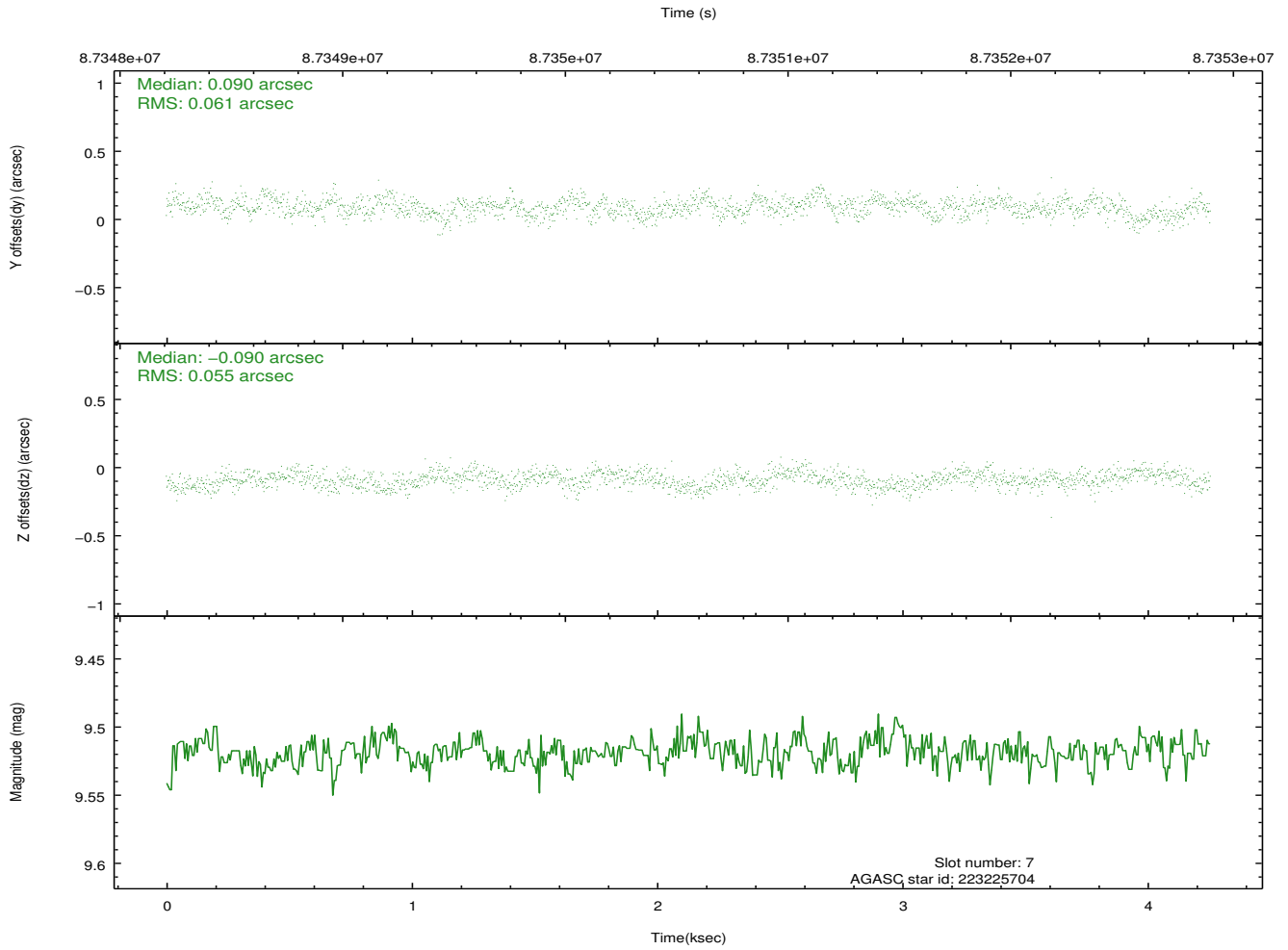
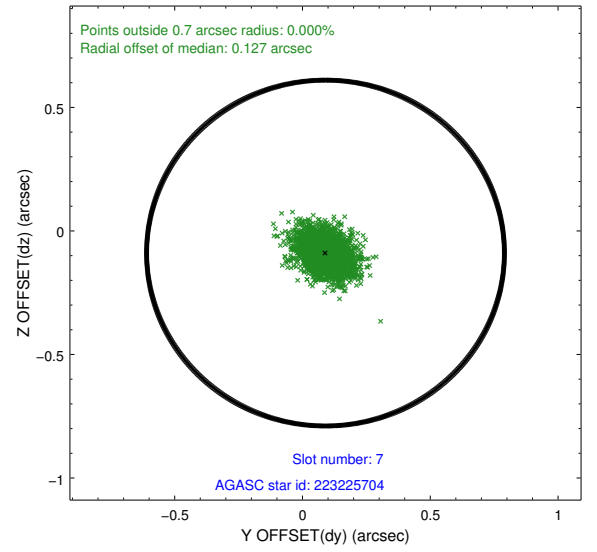
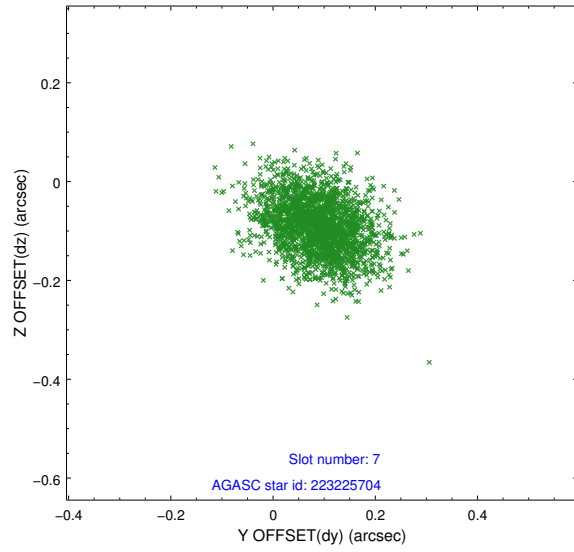


## 2.4.4 Slot 6



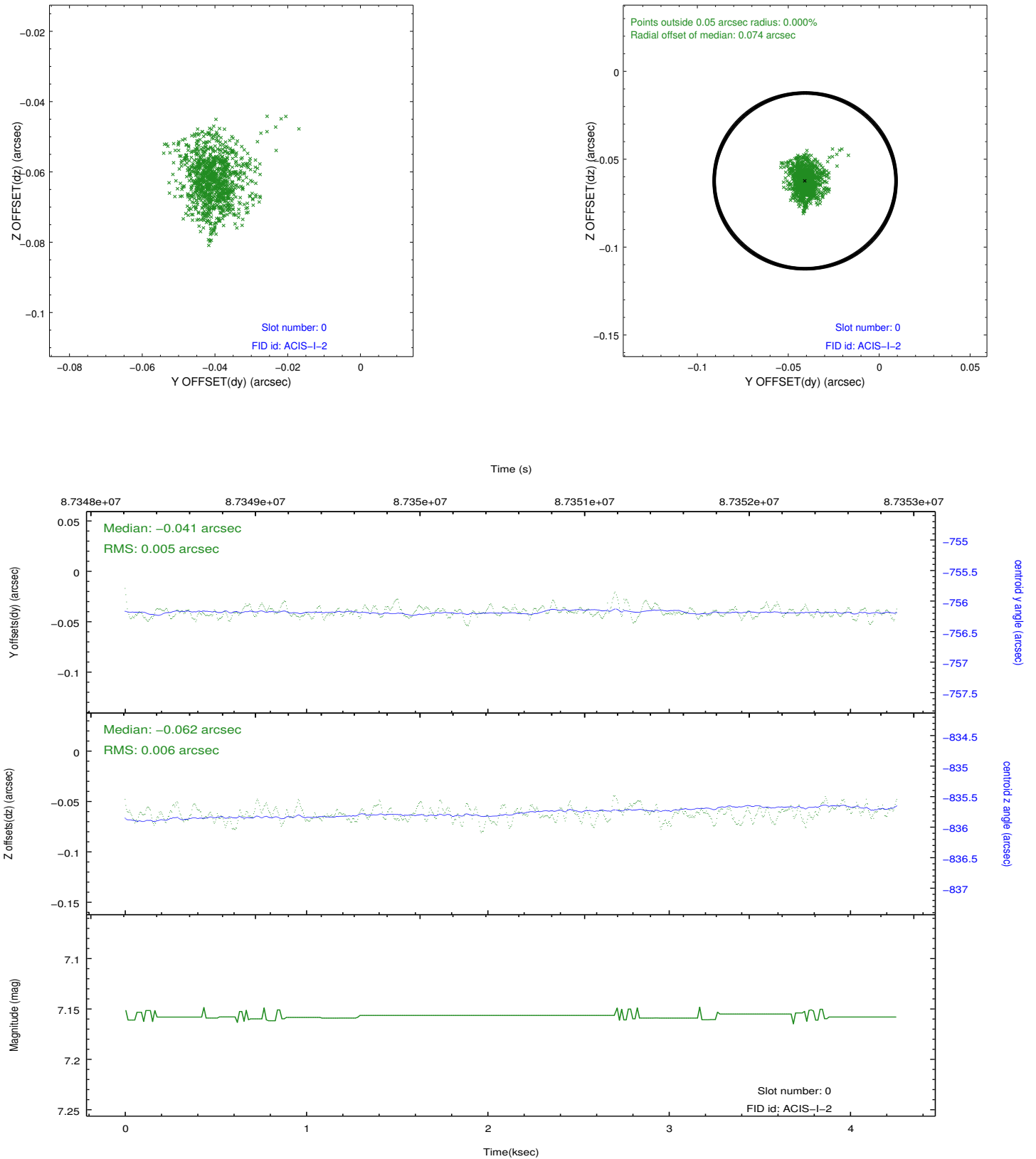


## 2.4.5 Slot 7

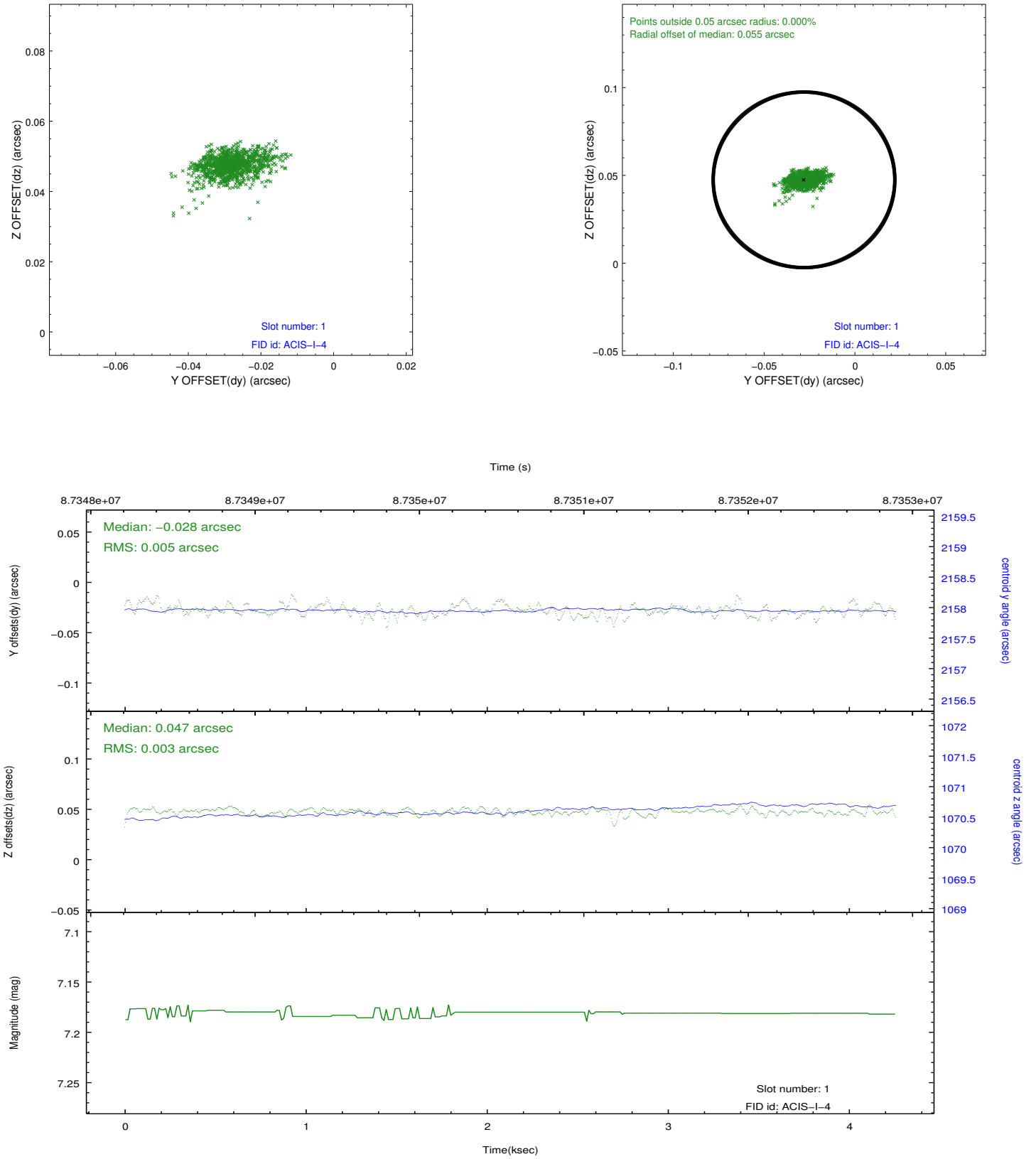


## 2.5 FID Slots

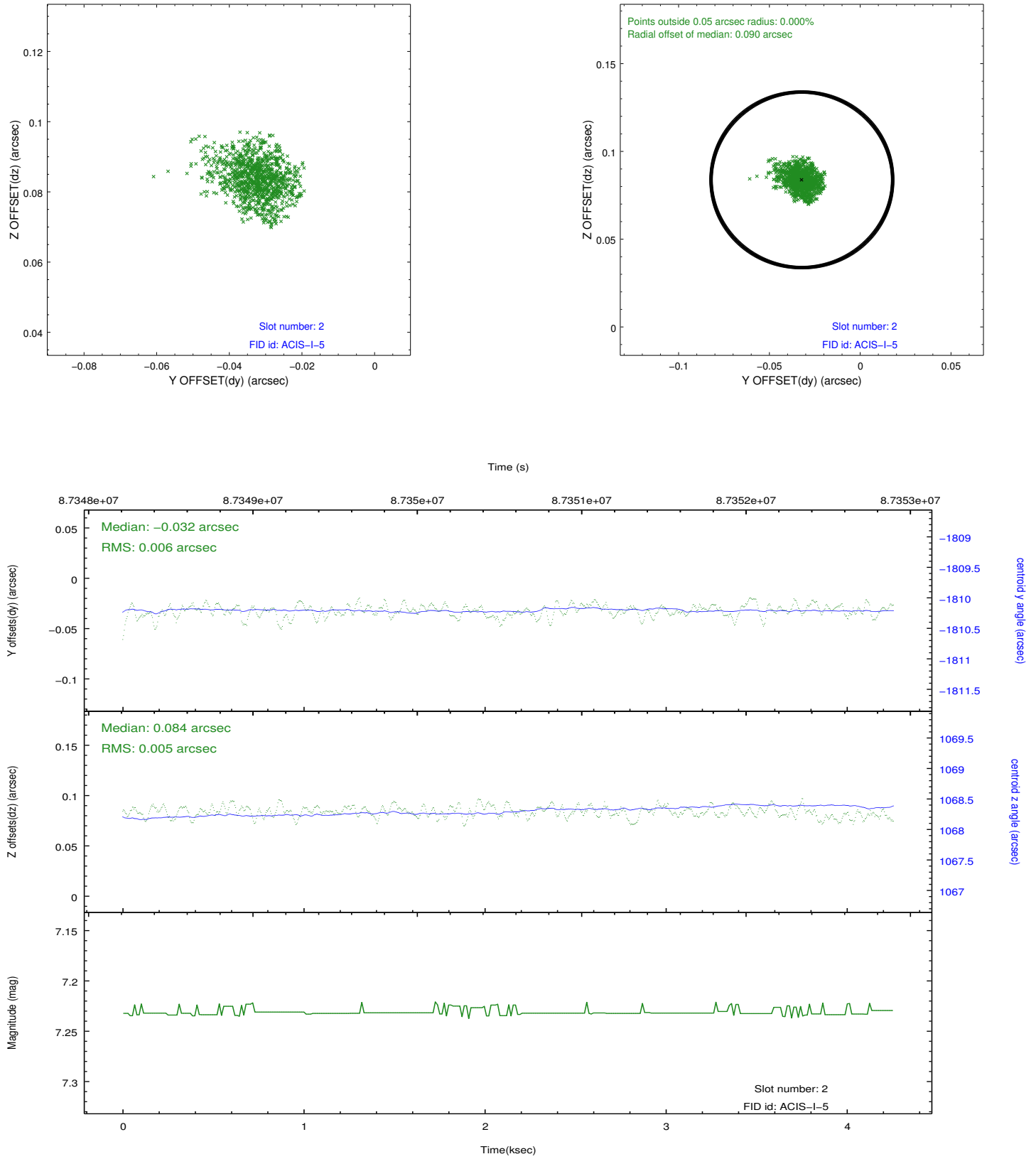
### 2.5.1 Slot 0



## 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)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.257

### A.2 Comments