

# V&V Reference Report

## L2 ASCDS Version : 8.5.1.1

Observation 5685 - L2 Version 3  
Chandra X-Ray Center

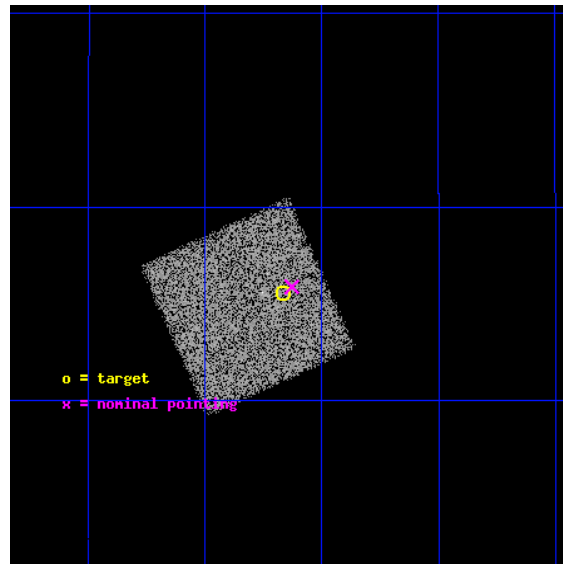
L2 Processing Date : Dec 20 2012

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# 1 Front

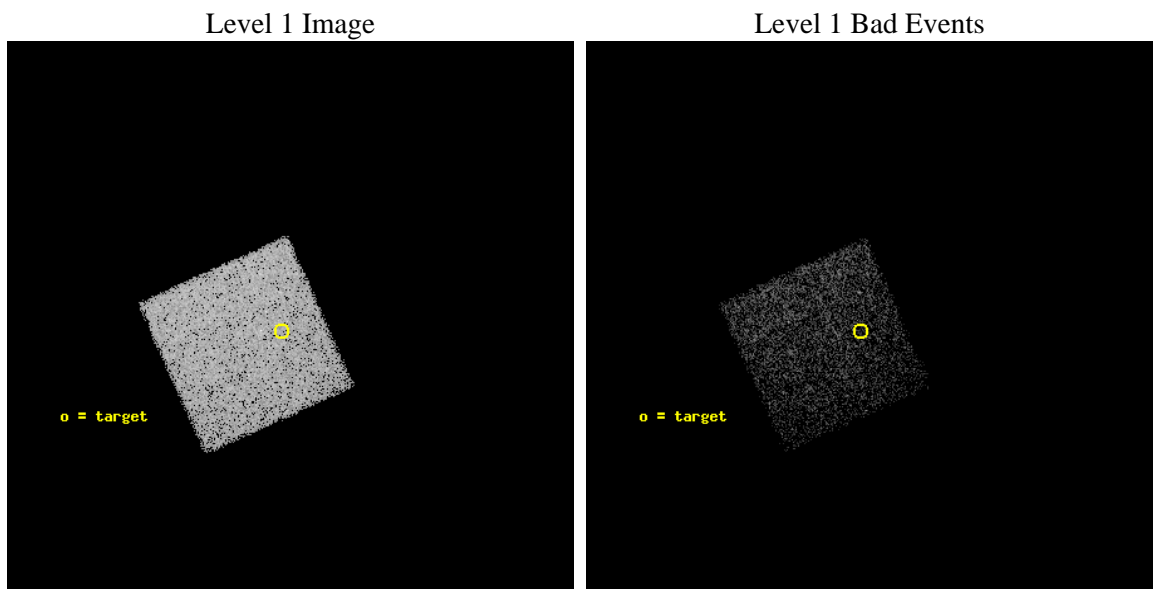
seq_num	701108	Sequence number
obs_id	5685	Observation id
title	Bringing in the Last SHEEP	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AX J1257.6+3525	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	194.417083	Observer's specified target RA [deg]
dec_targ	35.426111	Observer's specified target Dec [deg]
ra_nom	194.40718939295	Nominal RA [deg]
dec_nom	35.431535805051	Nominal Dec [deg]
roll_nom	155.70340002182	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5116.7999809384	Sum of GTIs [s]
livetime	5052.0079786127	Livetime [s]
ontime7	5116.7999809384	Sum of GTIs [s]
l2events	20629	Number of level 2 events



## 2 OBI

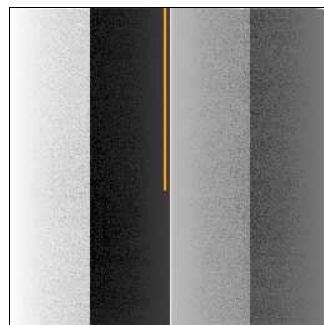
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	5116.7999809384	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime7	5116.7999809384	Sum of GTIs [s]
date	2012-12-20T18:53:25	Date and time of file creation	l1events	50526	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	50526
rejected events	29385
rejected %	58%

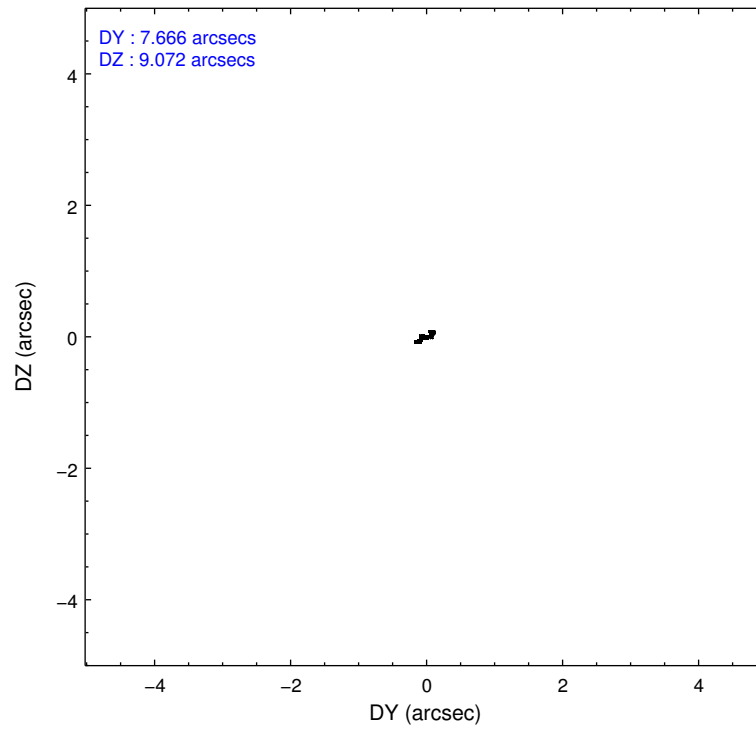
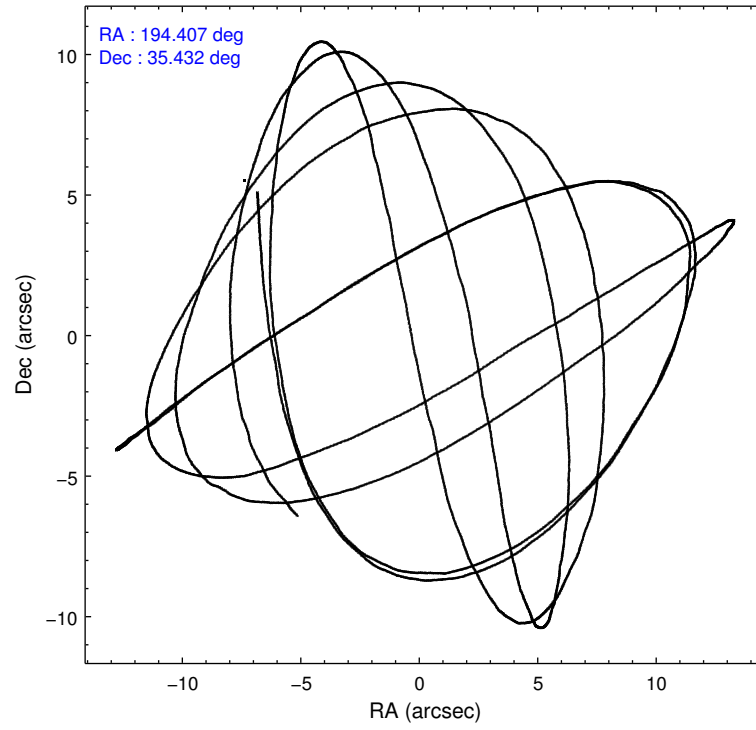
	<b>ccd 7</b>
grade 0 events	1866
	3%
grade 1 events	41
	0%
grade 2 events	4148
	8%
grade 3 events	1889
	3%
grade 4 events	1836
	3%
grade 5 events	4797
	9%
grade 6 events	11418
	22%
grade 7 events	24531
	48%

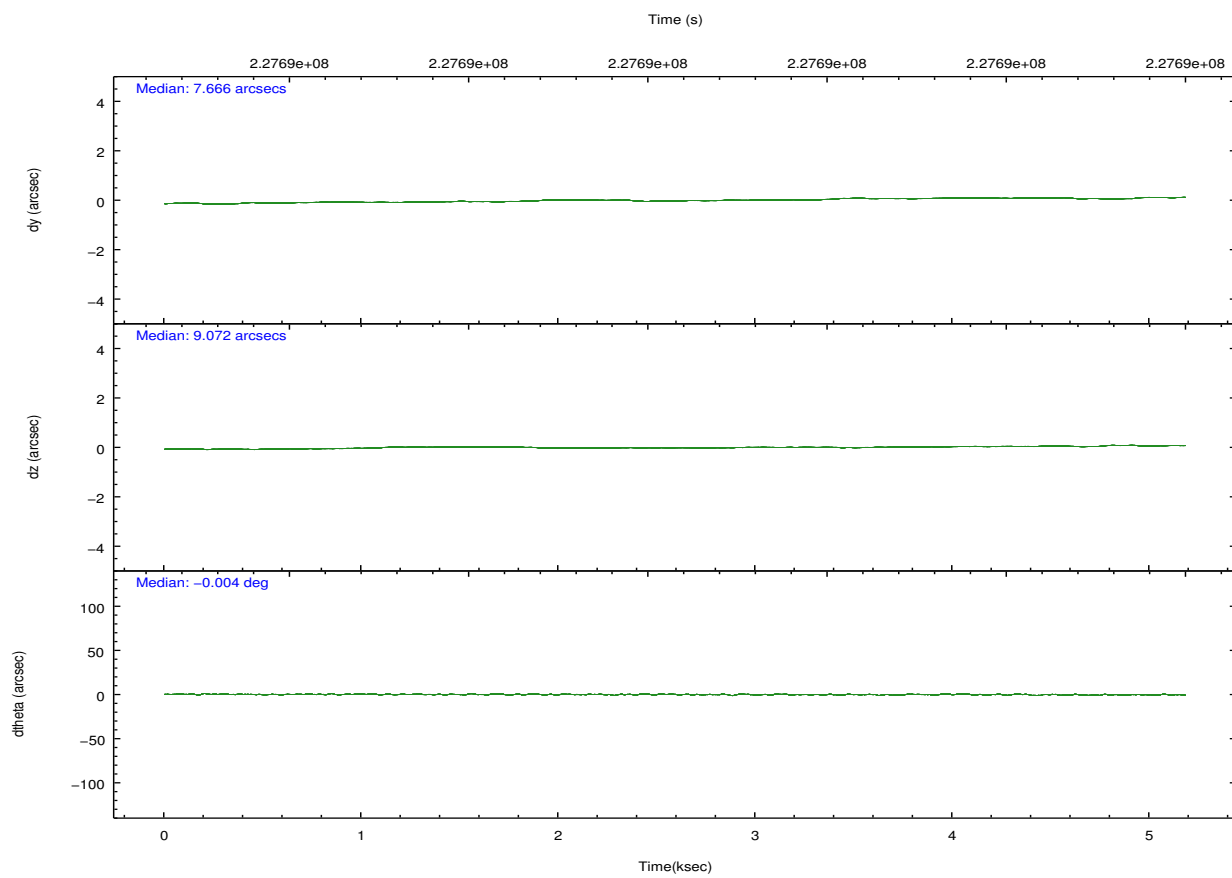
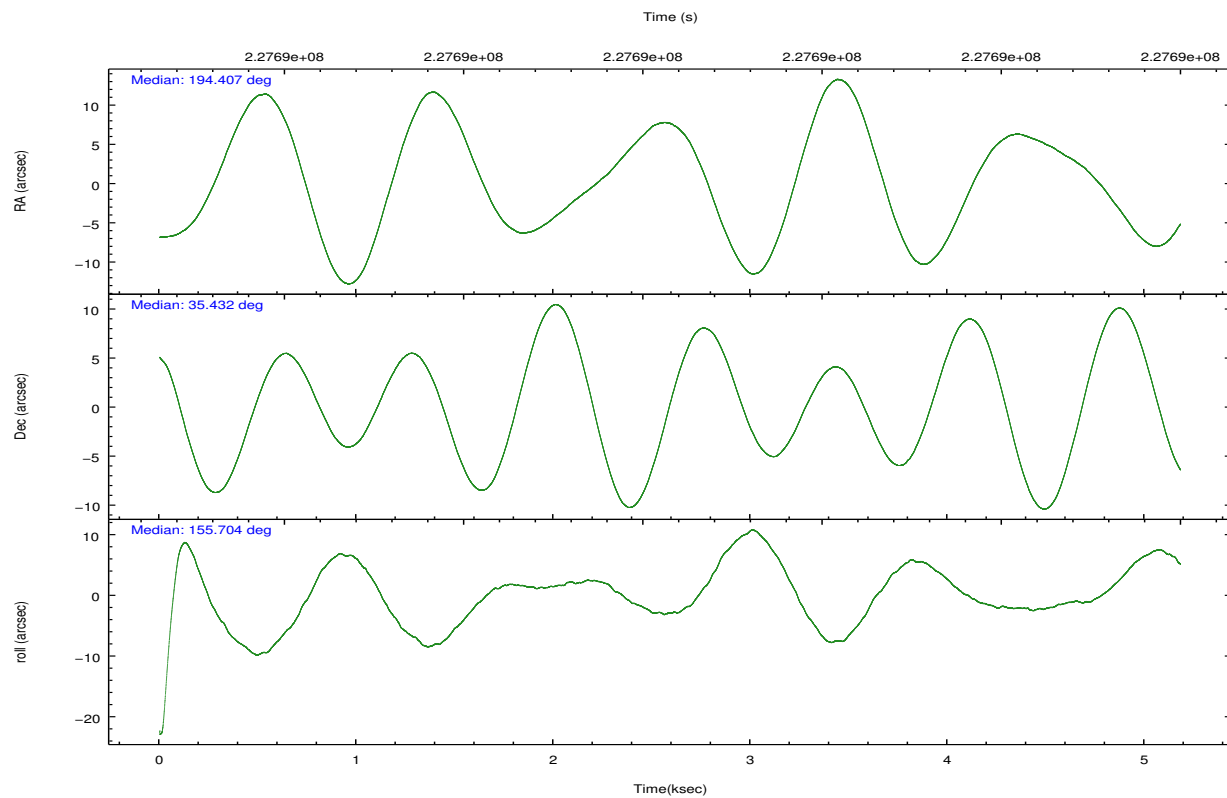


## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	194.440504	194.4071893929543	Subarray requested	NONE	NONE
[deg] Pointing Dec	35.434640	35.43153580505097	Alternating exposures requested	N	N
[deg] Pointing Roll	155.527540	155.7034000218176	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	227686747.184000	227686027.89272			
Observation start date	2005-03-20T06:18:03	2005-03-20T06:07:07			
[s] Observation end time (MET)	227691747.184000	227692219.918			
Observation end date	2005-03-20T07:41:23	2005-03-20T07:50:19			
Read mode	TIMED	TIMED			

## 2.3 Aspect



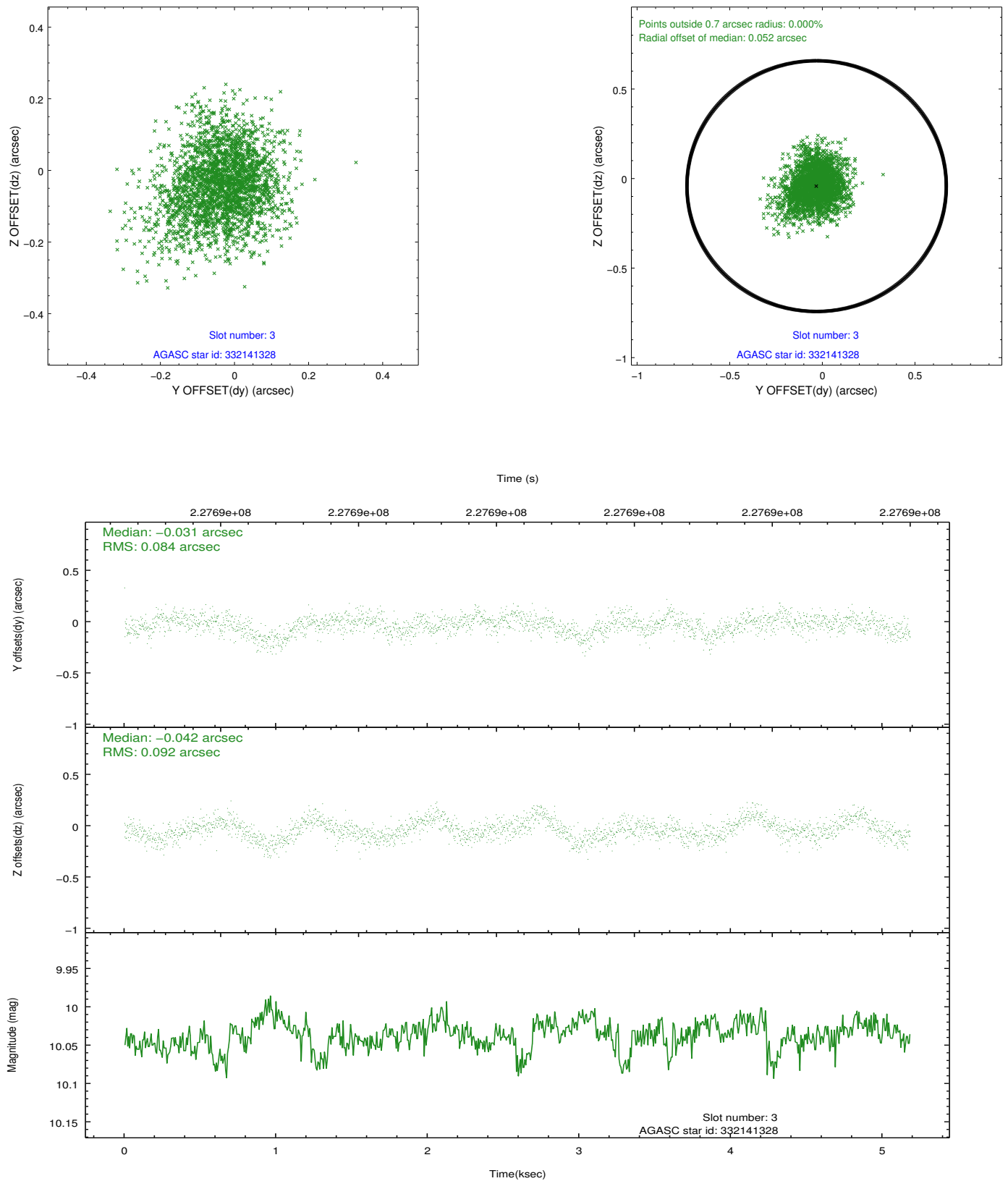


### Slot Statistics

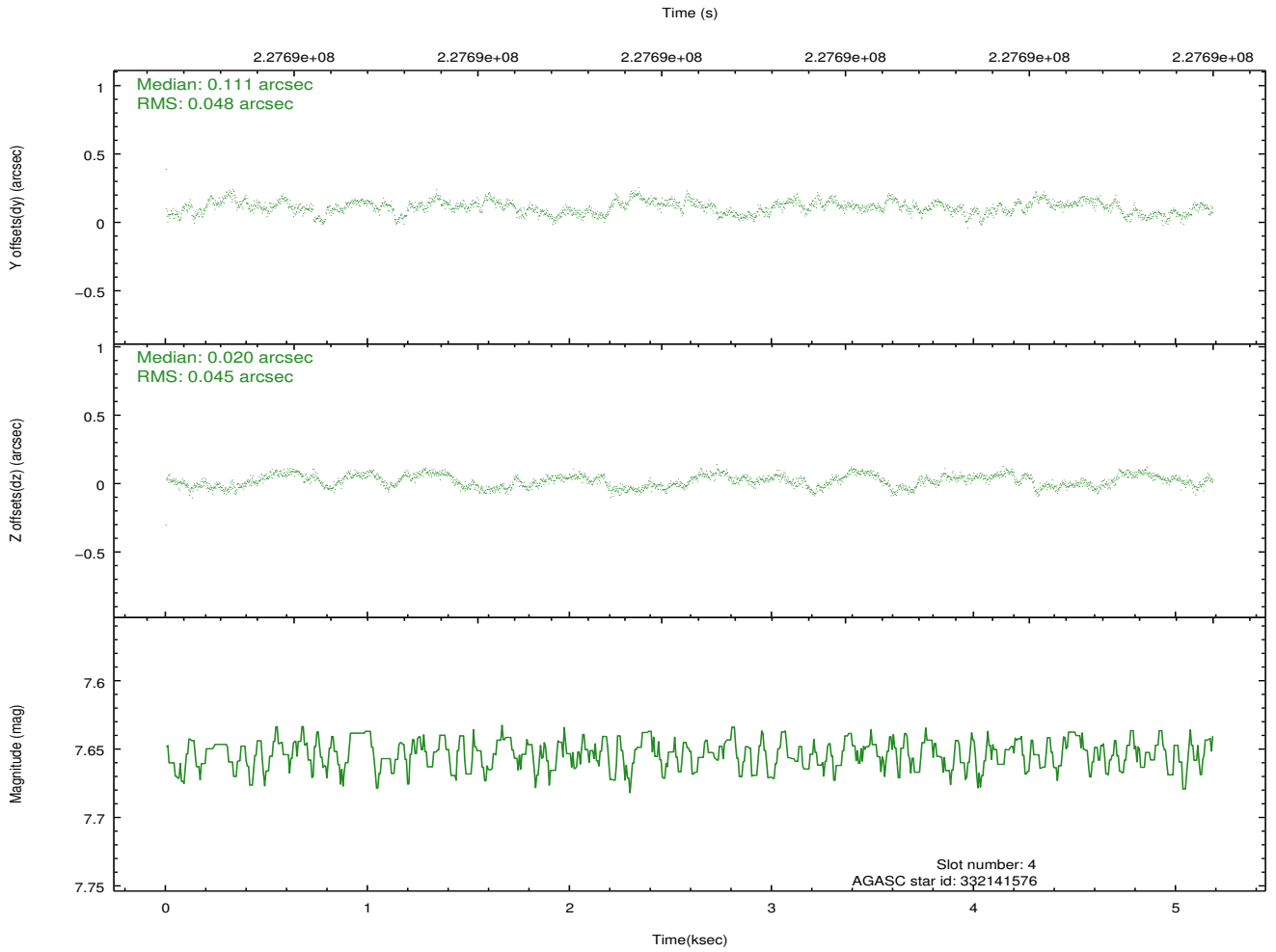
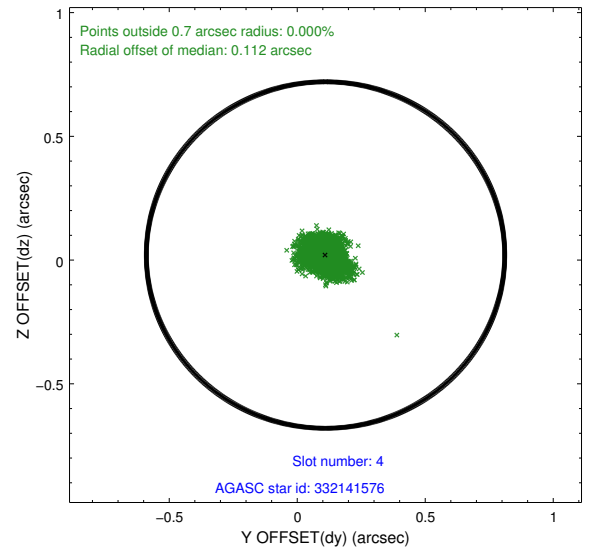
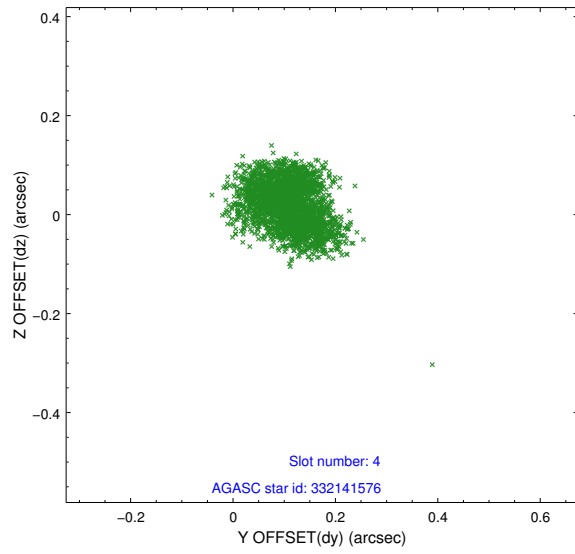
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1264	-0.023	-0.037	0.006	0.012	0.000000	0.000000	-760.44	-1730.23
1	FID	ACIS-S-4	7.20	1264	0.080	0.021	0.007	0.014	0.000000	0.000000	2152.40	177.13
2	FID	ACIS-S-5	7.23	1264	-0.088	0.025	0.007	0.013	0.000000	0.000000	-1811.86	172.10
3	GUIDE	332141328	10.04	2528	-0.031	-0.042	0.130	0.217	193.847285	35.491958	1670.25	527.77
4	GUIDE	332141576	7.65	2529	0.111	0.020	0.070	0.108	195.042870	34.998417	-2264.28	688.88
5	GUIDE	332142200	8.17	2529	-0.377	-0.128	0.079	0.119	194.036005	35.350267	954.99	766.48
6	GUIDE	332145072	10.18	2525	0.179	0.194	0.269	0.391	194.470610	35.549529	91.71	-412.45
7	GUIDE	332150720	7.53	2527	0.126	-0.021	0.092	0.131	195.031183	34.919346	-2353.07	961.35

## 2.4 Star Slots

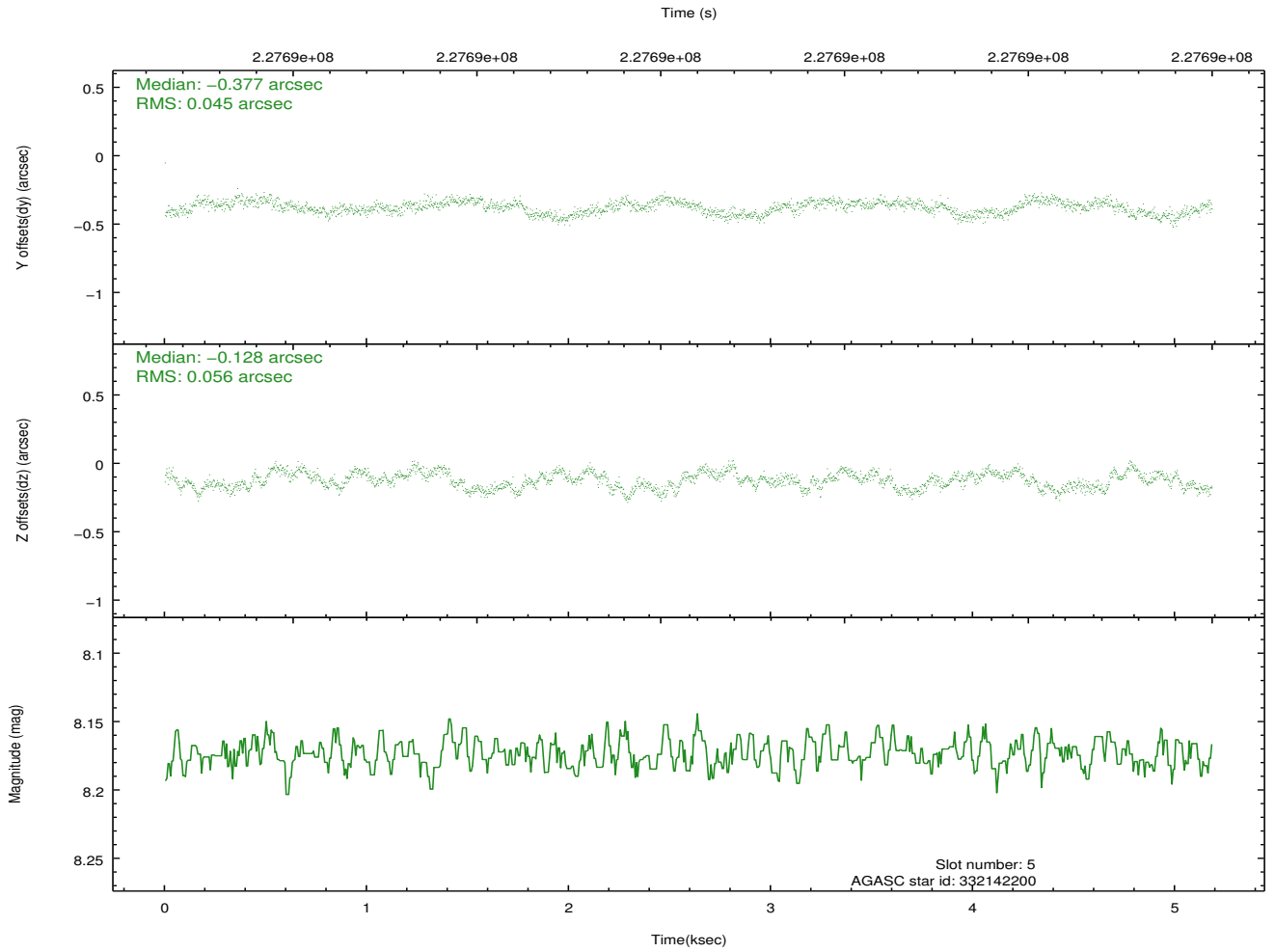
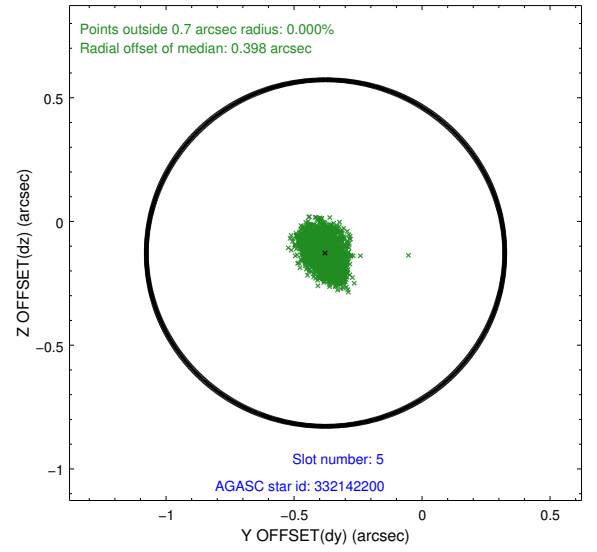
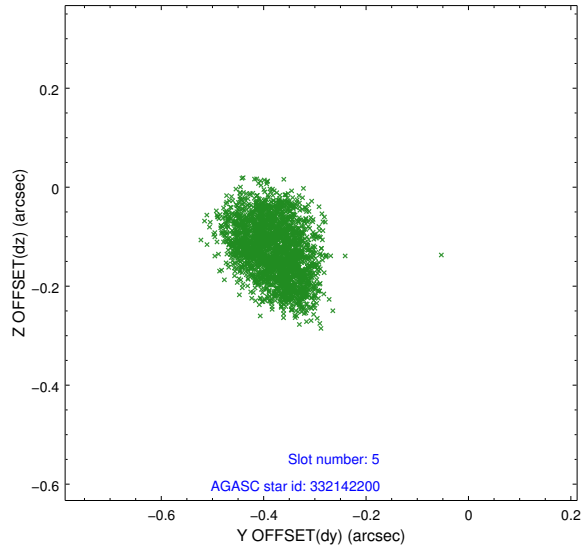
### 2.4.1 Slot 3



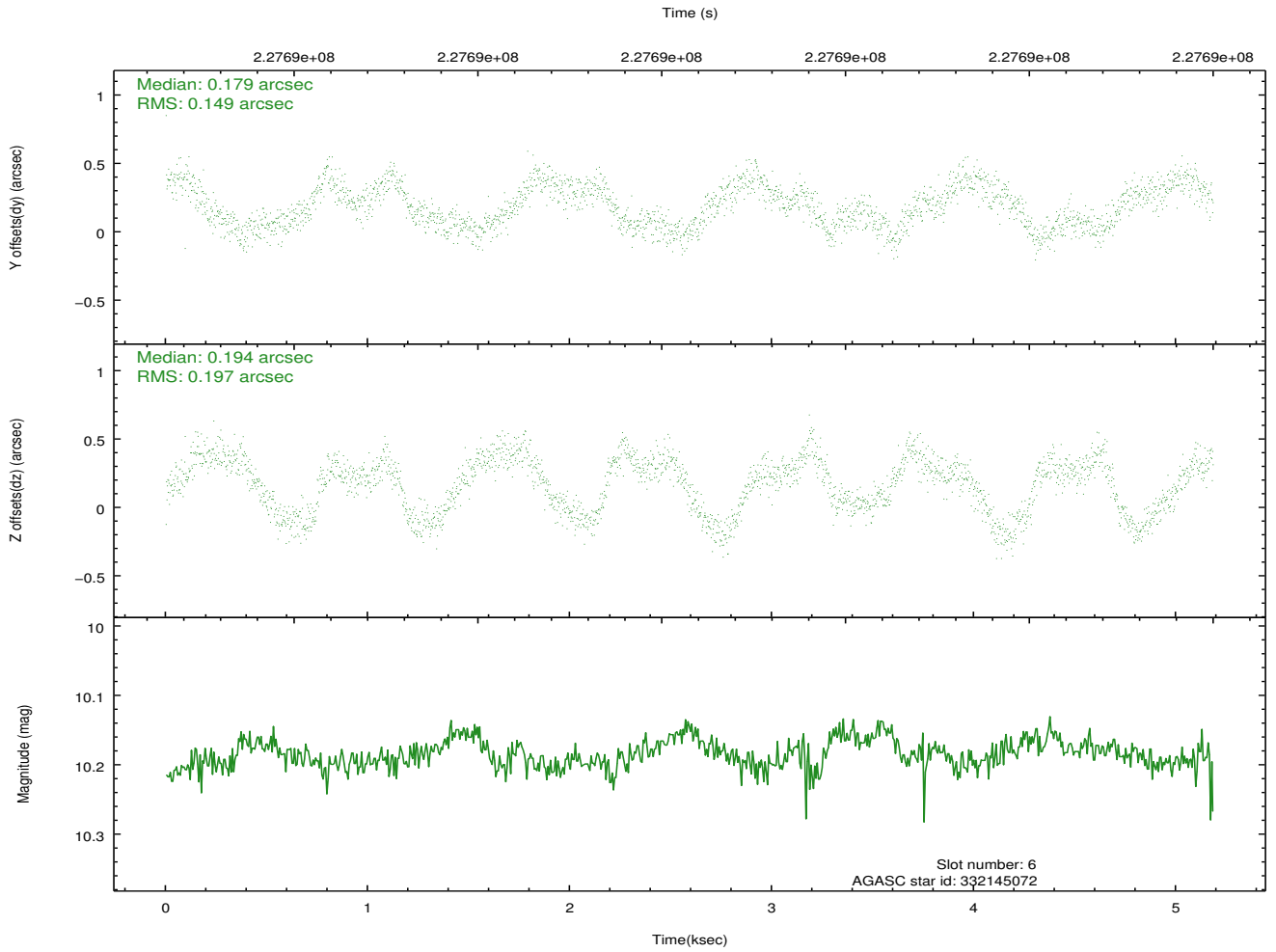
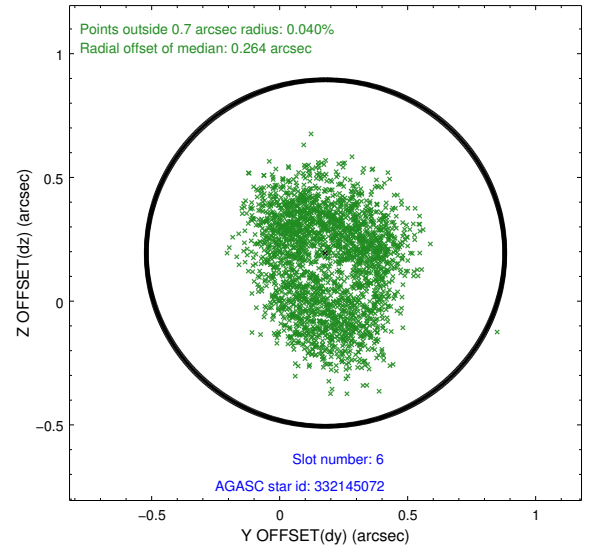
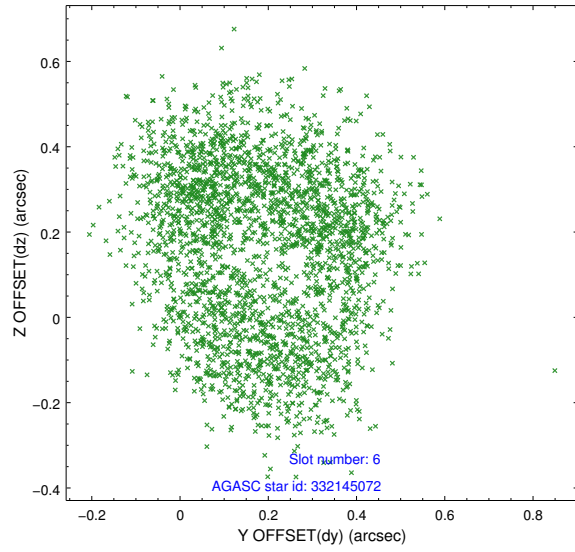
## 2.4.2 Slot 4



### 2.4.3 Slot 5

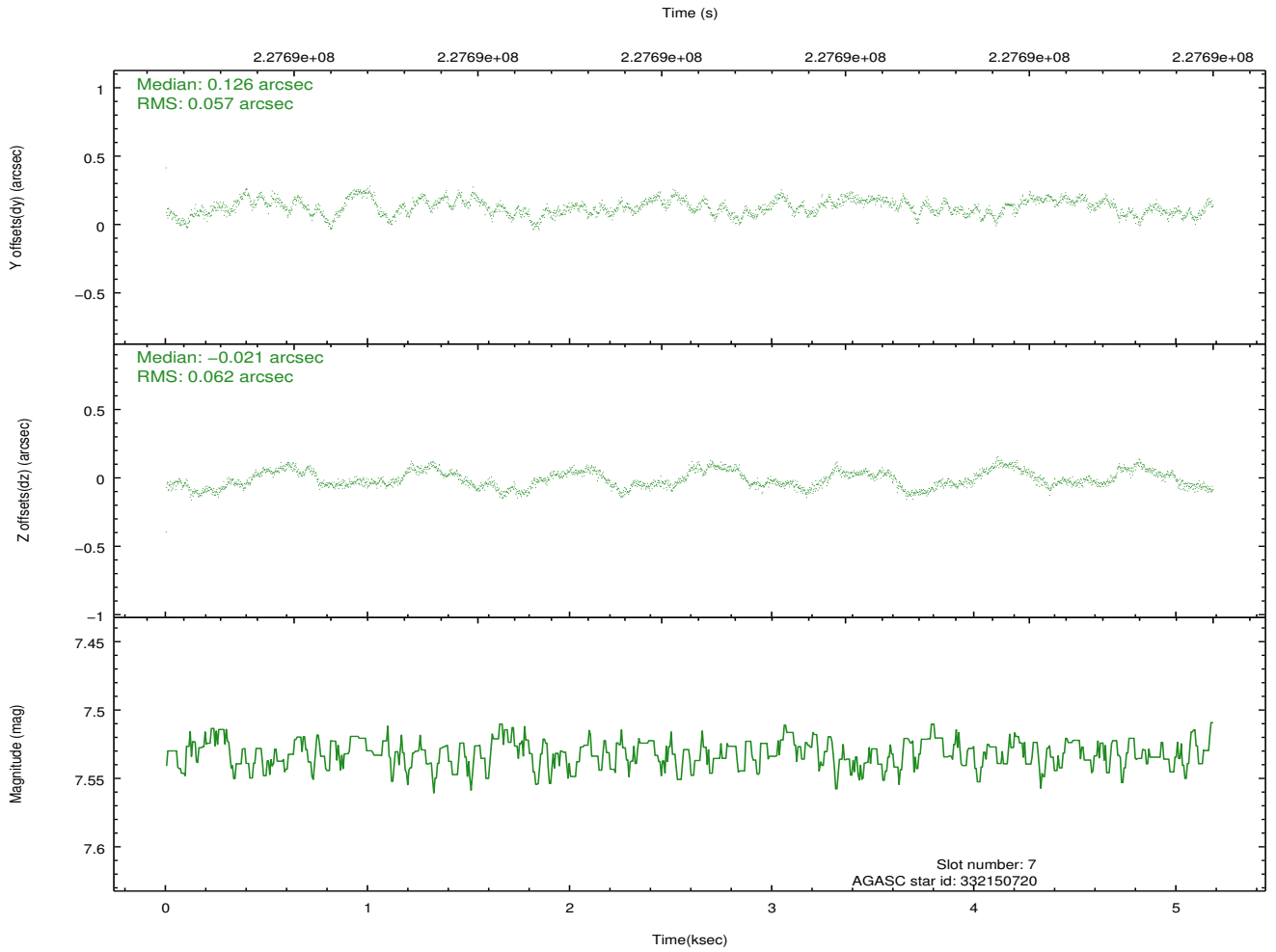
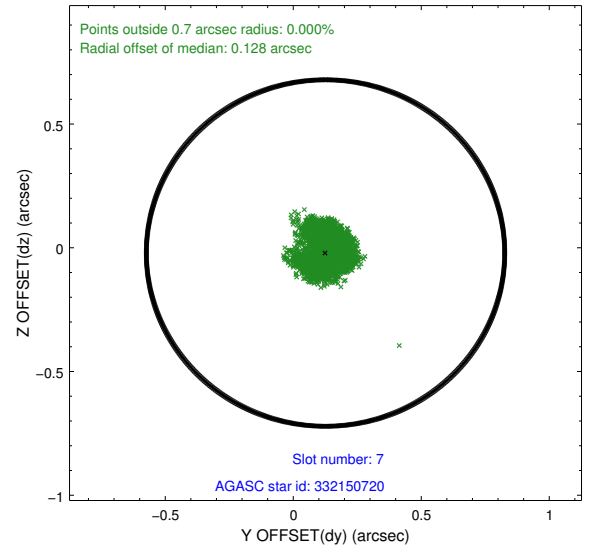
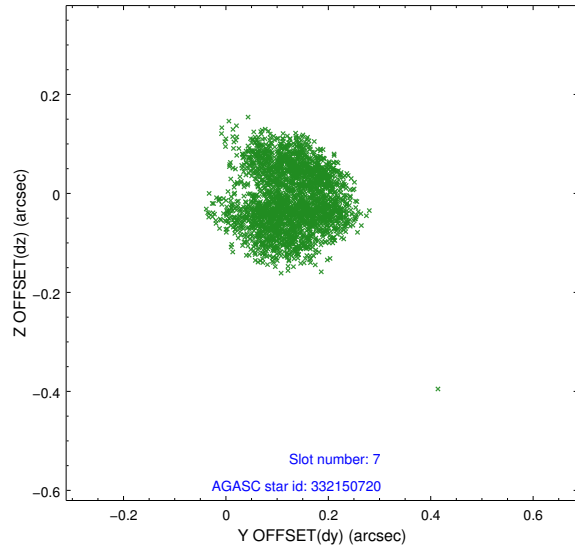


## 2.4.4 Slot 6



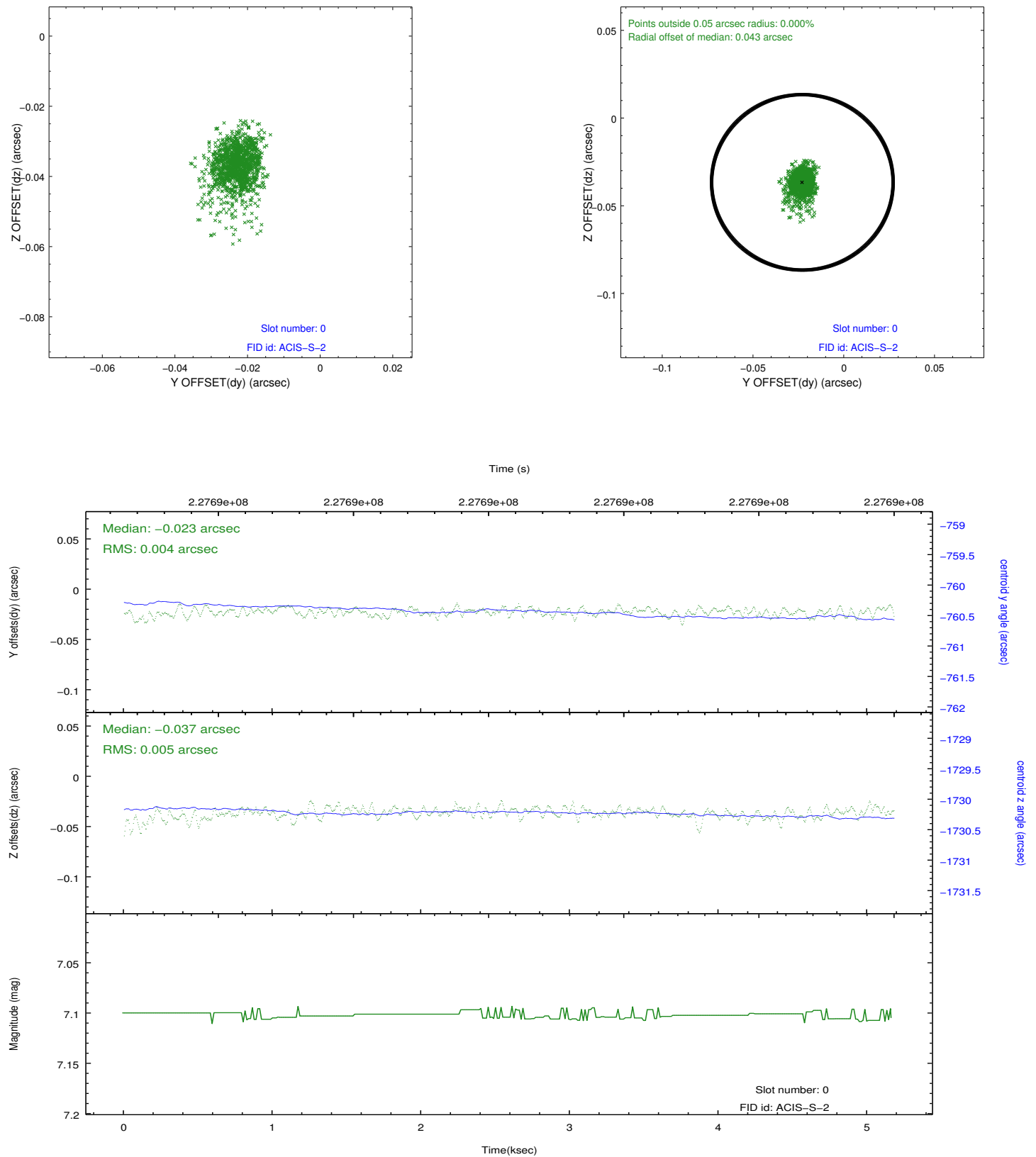


## 2.4.5 Slot 7

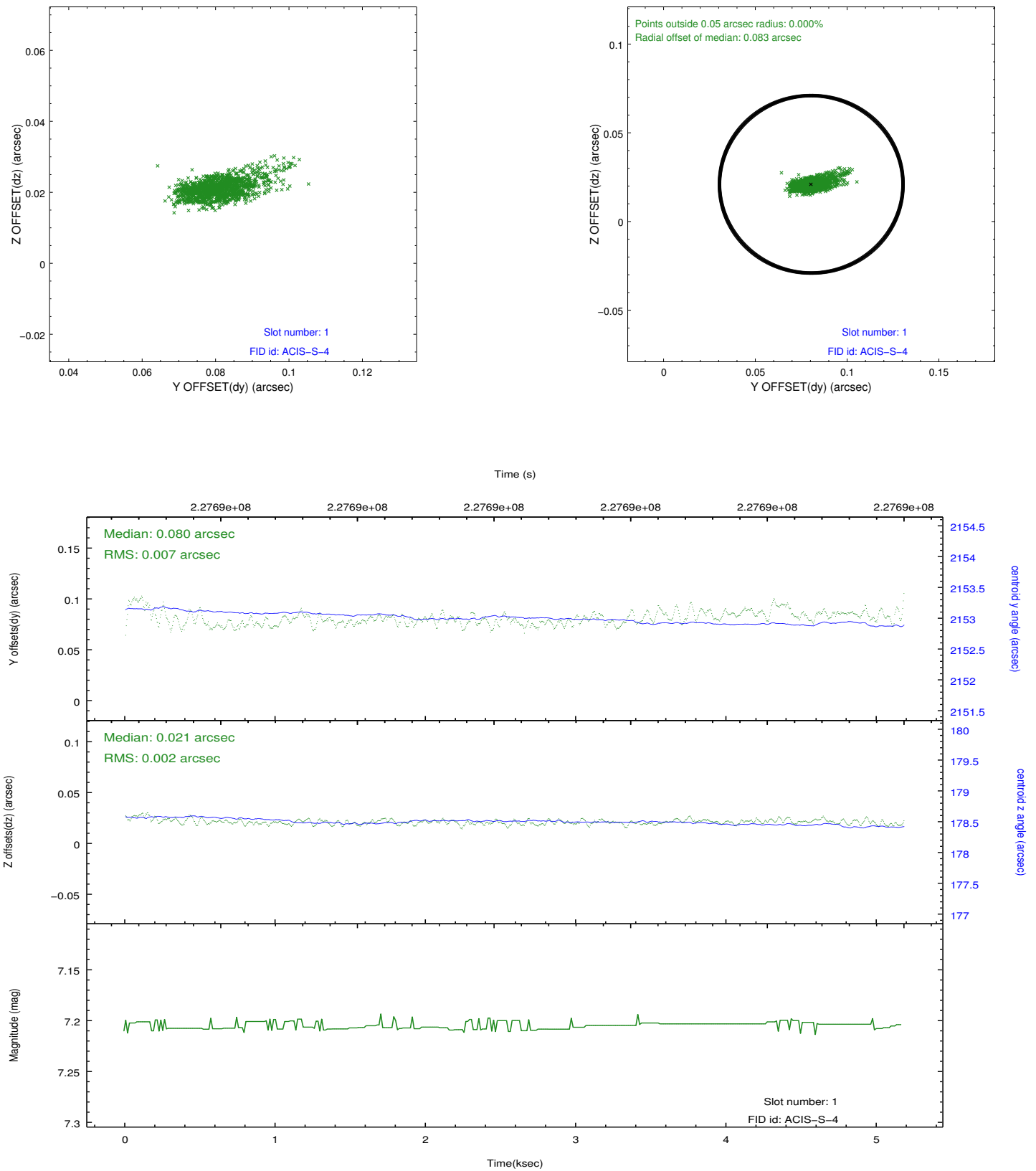


## 2.5 FID Slots

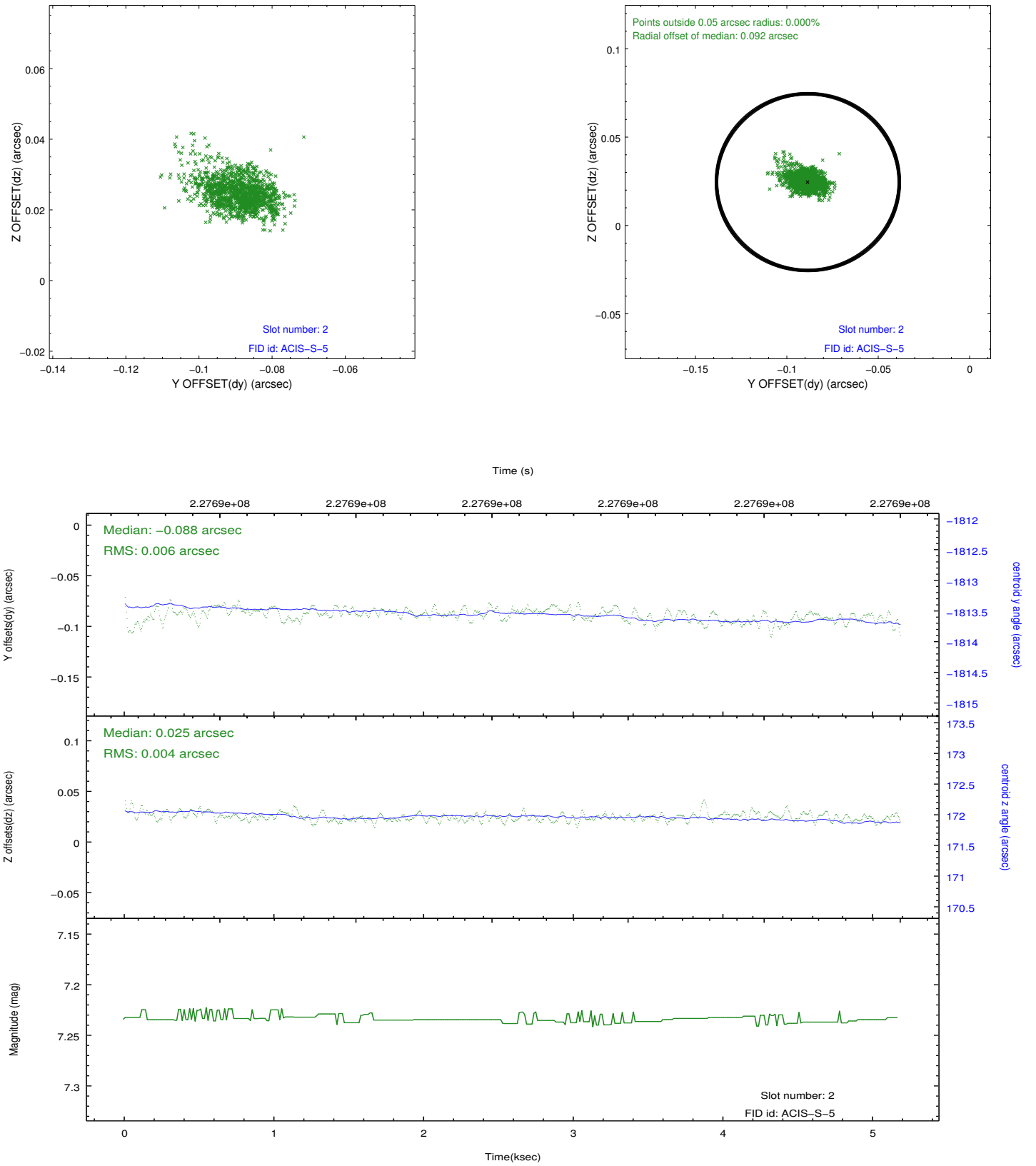
### 2.5.1 Slot 0



## 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)	2013.01.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.116799

### A.2 Comments

Joint proposal with NOAO.