



AIA meta-data, and supporting meta-data



	Required AIA data	Supplemental data	Other meta-data	Detection method	Meta-data output	Visual output	Input for level-2 data product
<i>Active regions</i>	AIA (E)UV images 1 set/hour	Magnetograms 1/hour	NOAA AR info	Obs. inspection	AR box		AR movies; EUV AR light curves; EUV-model field
				Auton.: Threshold, contour., clustering	Contour, brightness, moments	Segmentation maps; 1/h	
<i>Coronal dimmings</i>	AIA EUV images 1h sets at 1/min. 1kx1k	-	HPKB Flare info.	Obs. inspection	Position, duration.		Event summary movies
				Auton.: Running diff., low-res. contour.	Contour chain code	Segmentation map	
<i>Filaments</i>	AIA EUV images 1kx1k daily summaries	-	-	Obs. inspection	Position		Event summary movies
				Auton.: TBD	Skeleton chain code	Segm. map; 1/h	
<i>Filament eruptions</i>	AIA EUV images 1kx1k daily summaries	-	-	Obs. inspection	Position/time info.	-	Event summary movies
				Auton.: TBD	TBD	TBD	
<i>Flares</i>	AIA (E)UV images 1kx1k daily summary movies	-	NOAA/GOES and EVE events	Auton.: Image diff. and thresholding	Position/time info., peak brightness.	Segmentation map; 1/h	Event summary movies
				TBD	TBD	TBD	
<i>Sunspots</i>	UV/WL images; 1/h	-	NOAA sunspot info	--	--	--	-
				Auton.: thresholding and clustering	Position, contour chain code	Segm. map; 1/h	
<i>Coronal oscillations</i>	AIA EUV image sets Details: TBD	-	-	Obs. inspection	Position, time		Event summary movies - link to flare movies
				Aut.: TBD	Peak freq., trans./long.	Segm. map	
<i>Emerging flux (AR sized)</i>	AIA (E)UV sequences, 1kx1k daily summaries	Magnetograms 1/hour	HMI metadata	Obs. inspection	Position/time:		Event summary movies
				Auton.: TBD	Chain code contour	Segm. map	
<i>New event classes</i>	TBD	TBD, incl. thermal movies and DEM maps	TBD	Obs. inspection	Class definition	TBD	TBD
				TBD	TBD	TBD	
<i>Community-provided</i>	-	-	-	TBD	Appropriate meta-data in xml format	Summary image or movie	TBD



Not funded under AIA contract. We will accommodate externally provided events (in standard xml format), or negotiate to support projects external to AIA.