



SureLine Radar Format/Frame Conversion Supported

Outputs

Inputs	Outputs																										
	CD2C	CD2T	AIRCAT500	ASTERIX CAT 1&2	ASTERIX CAT 34&48	ASR9	MAR1 (FPS117)	ARSR4	ASR11 ASTERIX CAT 1&2	RDIF	TPS75 (9 bit) (plugin)	TPS70 (13 bit)	ASR9 Weather	CD2 Weather	Asterix Cat 8 Weather (polar)	ASR11 Cat 8 Weather (polar)	ASTERIX CAT 21*	ASTERIX CAT 62	ASTERIX CAT 23/33**	OTG (Over the horizon gold)	XML SDO	CSV	KML	UDP or TCP Output Only	SGF Framer/Unframer***	ECGP Framer/Unframer	CRC Framer/Unframer
CD2C	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
CD2-T	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
AIRCAT500	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
ASTERIX CAT 1&2****	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
ASTERIX CAT 34&48*****	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
ASTERIX CAT 159 (plugin)	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
MAR1(FPS117)	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
ASR9	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
ARSR4	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
TVT2																									→		
ASR11 Cat 8 Weather (polar)													→	→	→	→											
ASTERIX Cat 8 Weather (polar)													→	→	→	→											
CD2 Weather													→	→	→	→										→	→
ASR9 Weather													→	→	→	→										→	→
SSR2001C	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
SELENIA	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
CD AMS	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
TPS75 (9 bit) (plugin)	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
TPS70 (13 bit)	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
Cardion CTE-2F	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
ASR11 ASTERIX	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
ASTERIX CAT 21*	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
ASTERIX CAT 33&23**	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→
TSR-07C (Japanese Radar)	→	→	→	→	→	→	→	→	→	→	→	→										→	→	→	→	→	→
ASTERIX CAT 62	→	→	→	→	→	→	→	→	→	→	→	→						→			→	→	→	→	→	→	→
ADS-B (from RF Antenna - Longport Only)	→	→	→	→	→	→	→	→	→	→	→	→					→	→	→	→	→	→	→	→	→	→	→

SureLine Conversion Support Legend	
→	Conversion from row format 'to' column format
→	Conversion requires addition of virtual radar (converts track data down to plot data for interoperability)
→	May require the addition of the single sensor tracker plugin if the input data does not contain track information (SGP Only)
→	ECGP or SGF Framing capability supported
*ASTERIX Cat 21 supported subtypes	v.23, v.26, v2.1, v2.4 (limited to where applicable to SureLine generics apply for conversions)
**ASTERIX Cat 33 supported subtypes	FAA v1, FAA v2, FAA v3, Radio v2 (limited to where applicable to SureLine generics apply for conversions)
***SGF version support	SGF versions 1.1 full & reduced & SGF version 2.0
**** ASTERIX 1&2 Variants Supported	Eurocontrol, Colombia, TPS77, Australia

SureLine Filters, Utilities, Specific Conversion and Plugins Su

SureLine Built-In Filters/Utilities/Specific Conversions

SureLine Plugi

Filters	Utilities	Specific Conversions	Specific Conversion Plugins
ASTERIX Filter	Virtual Radar	CD to FAA RAPPI	ASR12ToCD2Status
Generic Filter	Filler Module	ASR-11 ASTERIX (US UDP) to ASR9	CAT048034ToNATS001002
ASR9 Filter	ARTS Unpacker	ARTS to CD2	CD2toCat034
CD2 Filter	Timestamp Targets	CD to ASTERIX CAT 34/48 (FAA)	FPS117CnC
TI1033 Filter	Radar Display	ASTERIX CAT33 to CD2 (FAA)	MARtoCD2Status
Duplicate Message Filter	Radar Ident	ASR9 to CD2	MPSapi Plugin
ASTERIX FRN Filter	SOM EOM Remover	NUNIO to ASR-9	
Mode 3A Filter	Asterix Framer	ARSR-4 Military to CD2	
Mode 3A Range/Azimuth Filter	Asterix Packer	CV4400 Emulation	
Geographic Filter	FAA ASTERIX Header		
Identity Filter	Add Latitude and Longitude		
Site Name/ID Filter	Generate Message		
	Radar Display		
	Real-Time Data Display		
	KML Display		
	Message Receipt Latency Alert		

Filters/Utilities/Specific Conversion/Plugins Legend

These filters, utilities and specific conversions are accessible with a base licensed SureLine
These filters, utilities and specific conversions are accessible with a Tier 1+ licensed u
These filters, utilities and specific conversions are accessible with a Tier 2 licensed u
These filters, utilities, or specific conversions require Tier 1 and are also sold and licensed :
***Some plugins may be too specific for most users as they were developed for specific field ap