

## **XTD** Technical Display



## XTD is a display system which supports navigation experts to assess the quality of any ADS-B sensors and to evaluate the ASTERIX messages generated by such sensors.

By depicting the targets on a geographical map, XTD allows to examine the coverage of individual ADS-B sensors in real-time.

## XTD provides detailed information about:

- ▶ the targets
- the ADS-B sensors
- statistics about the coverage,
  rate, load and the message
  amplitude

Message ar	nplitude for ltte	ersbach Xaero 1	16 X			
AltitudeBan	d -50 FL - 10	00 FL				
	Load for ltterst	oach Xaero 116		×		
Category 2	AltitudeBand	-50 FL - 1000 F	L			
	Category	Rate for ltt	ersbach Xae	ro 116		×
	Category 20	AltitudeBan	d -50 FL	- 1000 FL		
	Category 21	1 Category	Rate		Show Grid	
I		Category 2	0 0,0	0	Show grid	
		Category 2	1 126,8	8	Show grid	

Itters	bach Xae	ro 111	Ittersbach Xaero 115			Ittersbach Xaero 116			
٧	RR	S	V	RR	S	V	RR	S	



XTD						- 0
FL Filter FL -50 - 1	1000 Ran	ge 102	8 nm	Home		Sensors      Maps      Lat 48,854349 Lon 14,968519      11
Statistics for Ittersba	ch Xaero 11	6			×	
Statistics	cirracio ri	•			~	
	Coverage	Load	Rate	Amplitude	Targets	
-50 FL - 1000 FL	Hide	Show	Show	Show	Show	
-50 FL - 100 FL	Show	Show	Show	Show	Show	
100 FL - 150 FL	Show	Show	Show	Show	Show	
150 FL - 200 FL	Show	Show	Show	Show	Show	
200 FL - 250 FL	Show	Show	Show	Show	Show	
250 FL - 300 FL	Show	Show	Show	Show	Show	
300 FL - 325 FL	Show	Show	Show	Show	Show	
325 FL - 350 FL	Show	Show	Show	Show	Show	
350 FL - 375 FL	Show	Show	Show	Show	Show	* ***
375 FL - 400 FL	Show	Show	Show	Show	Show	
400 FL - 500 FL	Show	Show	Show	Show	Show	
	SHOW	3HOW	Si10W	SHOW	anow	and the second s
Statistic reset times Last Coverage reset		20.1	7-11-23 15:	-31-31		
Last Load reset			7-11-23 13:			
Last Rate reset			7-11-23 13			
Last Amplitude reset		201	7-11-23 13:	:27:21		
Reset statistic						
Reset statis	stic Co	ov Loa	ad Ra	te Amp		
	_				_	
						Sworth NA

The coverage window e.g. illustrates the reception range of the selected sensor. A borderline around the area within which message have been received since the last reset is drawn for the selected altitude band.

Mode S Address (hex):	4B168E			0 < 613 < 613			Time of Last Update: 0		
General Properties ASTERX Version 2. Time of ASTERX 01 Message Amplitude -5 Data Source SAC 47	9:42:40.36	Identific 57 Priority 5 Surveille Emitter 0 Pos	Surveillance Status NO_CONDITIO Emitter Category NO_ADSB_EM Position Latitude		48° 22' 27" N Version Num		ion umber ED102_D0260		
SIC 16 Source Name Ittersbac	- V 4		Longitude 8° 38' 33" E Time of Applicability -			Version Supported SUPPORTED_BY_GS Link Technology Type ES1090			
Track Angle  -    Air Speed  -    True Air Speed  -    Magnetic Heading  -		Geometric Height Barometric Vertic Geometric Vertic			SIL 0 SDA 0 NIC 7	SILsupp GVA NICbaro	MEASURED_PER_FLIGHT_HOUR 0 UNSET		
Target Report Descriptor Confidence Level Address Type	ICA	PORT_VALID 0_ADDRESS_24_BIT		Selected Altitud Altitude - Source -	e				
Altitude Reporting Capa CPR Validation Pending		C_25FT Provides Selected Alti IPC Failed	ude NO NO	Aircraft Operati TCAS Resoluti TC Report Cap	ion Advisory NO	T_ACTIVE			
Field Monitor Report Differential Correction	NO	NOGO-Bit Set	NO	TS Report Cap		Т_САРАВ			
Ground Bit Set	NO	CPR Validation Failed	NO	ARV Report C	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	T_CAPAB			
Simulated Target Test Target	NO NO	LDPJ Detected Range Check Failed	NO NO	CDIVA Operati TCAS System Single Antenni	Status NO	T_OPERA T_OPERA TENNA DI	TIONAL		

- The information received for a selected target is presented in the Target details window. All the data displayed here are received from a specified sensor in ASTERIX messages.
- The Target details window shows e.g. the message details and the total number of received ASTERIX messages of a specific sensor.

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