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The recorded values must meet the designated range, resolution and accuracy requirements during static and dynamic conditions. Dynamic condition means the parameter is experiencing change at the maximum rate attainable, including the maximum rate of reversal. All data recorded must be correlated in time to within one second.

Parameters	Range	Accuracy (sensor input)	Seconds per sampling interval	Resolution	Remarks
43. Additional Engine Parameters. 44. Traffic Alert and Collision	As installed	As installed	Each engine each second.	2% of full range	Where capacity permits, the preferred priority is indicated vibration level, N2, EGT, Fuel Flow, Fuel Cutoff lever position and N3, unless engine manufacturer recommends otherwise. A suitable combination of discretes should be re-
Avoidance System (TCAS). 45. DME 1 and 2	0–200 NM	As installed	4	1 NM	corded to determine the status of-Combined Con- trol, Vertical Control, Up Advisory, and Down Advi- sory. (ref. ARINC Char- acteristic 735 Attachment 6E, TCAS VERTICAL RA DATA OUTPUT WORD.) 1 mile.
Distance. 46. Nav 1 and 2 Selected Fre-	Full range	As installed	4		Sufficient to determine se- lected frequency
quency. 47. Selected barometric setting.	Full range	±5%	(1 per 64 sec.)	0.2% of full range.	,
 Selected Alti- tude. 	Full range	±5%	1	100 ft.	
49. Selected speed.	Full range	±5%	1	1 knot.	
50. Selected Mach.	Full range	±5%	1	.01.	
51. Selected vertical speed.	Full range	±5%	1	100 ft/min.	
52. Selected heading.	Full range	±5%	1	1°.	
53. Selected flight path.	Full range	±5%	1	1°.	
54. Selected decision height.	Full range	±5%	64	1 ft.	
55. EFIS display format.	Discrete(s)		4		Discretes should show the display system status (e.g. off, normal, fail, composite sector, plan, nav aids,
56. Multi-function/ Engine Alerts Display format.	Discrete(s)		4		weather radar, range, copy). Discretes should show the display system status (e.g. off, normal, fail, and the identity of display pages for emergency procedures, need not be recorded).
57. Thrust com- mand. 17.	Full Range	±2%	2	2% of full range	need not be recorded).
58. Thrust target 59. Fuel quantity in CG trim tank.	Full range	±2% ±5%	4(1 per 64 sec.)	2% of full range. 1% of full range.	
60. Primary Navi- gation System Reference.	Discrete GPS, INS, VOR/ DME, MLS, Localizer Glideslope.		4		A suitable combination of discretes to determine the Primary Navigation Systen reference.
61. Ice Detection	Discrete "ice" or "no ice".		4		
62. Engine warn- ing each engine vibration.	Discrete		1		
63. Engine warning each engine over temp.	Discrete		1		