

AVSET and SAILS – the Benefits of Dynamic Scanning

Severe Weather VCP Duration

Note: These estimated VCP duration times do not include antenna retrace times

		VCP 12 and VCP 212 - SAILS ON / AVSET ON					
	Standard VCP Duration	Termination Angle 19.5 VCP Duration	Termination Angle 15.6 VCP Duration	Termination Angle 12.5 VCP Duration	Termination Angle 10.0 VCP Duration	Termination Angle 8.0 VCP Duration	Termination Angle 6.4 VCP Duration
VCP 12	243 sec	274 sec	261 sec	248 sec	235 sec	222 sec	209 sec
VCP 212	264 sec	300 sec	287 sec	274 sec	261 sec	248 sec	235 sec

		VCP 12 and VCP 212 - SAILS OFF / AVSET ON					
	Standard VCP Duration	Termination Angle 19.5 VCP Duration	Termination Angle 15.6 VCP Duration	Termination Angle 12.5 VCP Duration	Termination Angle 10.0 VCP Duration	Termination Angle 8.0 VCP Duration	Termination Angle 6.4 VCP Duration
VCP 12	243 sec	243 sec	229 sec	216 sec	203 sec	190 sec	177 sec
VCP 212	264 sec	264 sec	250 sec	237 sec	224 sec	211 sec	198 sec

		VCP 11 and VCP 211 - AVSET ON						
	Termination Angle 19.5 VCP Duration	Termination Angle 16.7 VCP Duration	Termination Angle 14.0 VCP Duration	Termination Angle 12.0 VCP Duration	Termination Angle 10.0 VCP Duration	Termination Angle 8.7 VCP Duration	Termination Angle 7.5 VCP Duration	Termination Angle 6.2 VCP Duration
VCP 11	277 sec	263 sec	249 sec	235 sec	221 sec	207 sec	193 sec	180 sec
VCP 211	276 sec	262 sec	248 sec	234 sec	220 sec	206 sec	192 sec	179 sec

Note: VCP 212 and 211 durations may vary ± 10 seconds depending on the active PRF

Product Availability Comparison

VCP 12	0.5° Base Product Updates per Hour	Volume Product Updates per Hour
Standard Operation	14	14
AVSET	14 - 19	14 - 19
SAILS	24	12
AVSET and SAILS	24 - 32	12 - 16

VCP 212	0.5° Base Product Updates per Hour	Volume Product Updates per Hour
Standard Operation	13	13
AVSET	13 - 17	13 - 17
SAILS	22	11
AVSET and SAILS	22 - 28	11 - 14

NOTE: AVSET and SAILS are independent functions and may be executed separately

AVSET – Automated Volume Scan Evaluation and Termination deployed with Build 13

SAILS – Supplemental Adaptive Intra-Volume Low-Level Scan will be deployed with RPG Build 14