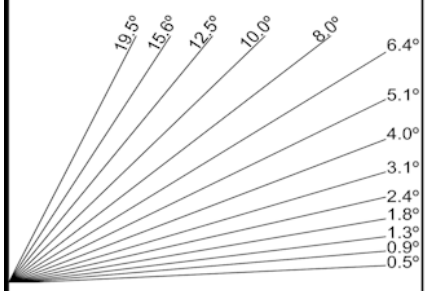
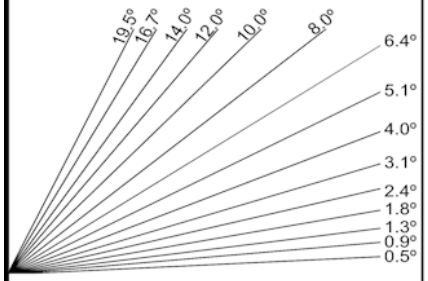
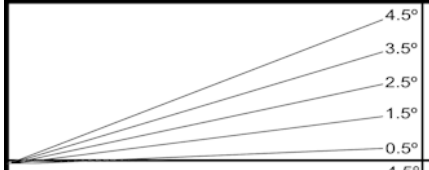
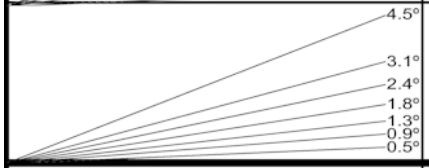
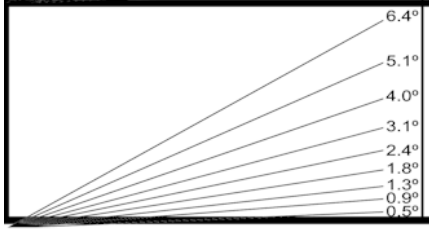
Quick Reference VCP Comparison Table for RPG Operators as of RPG Build 23						
Slices	**Tilts**	**VCP**	**Time***	**DSS**	**Usage**	**Limitations**
	14	12	4.3 mins	AVSET SAILS MRLE ~~MPDA~~	Fastest VCP. Rapidly evolving, severe convective events (e.g., squall line, MCS).	High antenna rotation rate decreases the effectiveness of clutter filtering and decreases the accuracy of the base data estimates.
		212	4.6† mins	AVSET SAILS MRLE MPDA	Rapidly evolving, severe convective events (e.g., supercells, squall line, MCS). Uses SZ-2 to significantly reduce range-obscured V/SW data compared to VCP 12.	All Bins clutter suppression is not recommended. High antenna rotation rate decreases the effectiveness of clutter filtering and decreases the accuracy of the base data estimates. PRF sectors not allowed.
		112	5.5† mins	AVSET SAILS ~~MRLE~~ MPDA	Large-scale systems with widespread high velocity (e.g., long squall lines, hurricanes). Significantly reduces range-obscured V/SW data within 230km compared to other VCPs.	PRFs are not editable for Split Cuts. RF only mitigated for Split Cuts. Limited to a single SAILS scan.
	15	215	6† mins	AVSET SAILS MRLE MPDA	VCP of choice for general surveillance of precipitation. Best vertical coverage. Lower SNR than VCPs 12/212. Uses SZ-2 to reduce range-obscured V/SW data. Lower low-level antenna rotation rates increase the accuracy of base data estimates. Shares common lower elevations with VCPs 12/212 and 35.	All Bins clutter suppression is not recommended. Slower low-level updates than VCP 12/212. Limited to a single SAILS scan. PRF sectors not allowed.
	5	31	10 mins	~~AVSET~~ ~~SAILS~~ ~~MRLE~~ ~~MPDA~~	Clear-air, snow, and light stratiform precipitation. Best sensitivity.	Susceptible to velocity dealiasing failures. No coverage above 5°. Rapidly developing convective echoes aloft might be missed. Deprecated in Build 24.
	7	34	9 mins	~~AVSET~~ SAILS ~~MRLE~~ ~~MPDA~~	Clear-air, snow, and light stratiform precipitation. Best sensitivity. Uses common and overlapping low elevation angles.	Susceptible to velocity dealiasing failures. No coverage above 5°. Rapidly developing convective echoes aloft might be missed. Limited to a single SAILS scan.
	9	35	7† mins	~~AVSET~~ SAILS ~~MRLE~~ ~~MPDA~~	Clear-air, snow, and light stratiform precipitation. Shares common lower elevations with VCPs 12/212 and 215. Overlapping low-level coverage. Uses SZ-2 to significantly reduce range-obscured V/SW data compared to VCP 34.	All Bins clutter suppression is not recommended. No coverage above 6.4º. Rapidly developing convective echoes aloft might be missed. Limited to a single SAILS scan. PRF sectors not allowed.

* VCP Update times are approximate and subject to variation with use of dynamic scanning strategies (DSS). † VCP update times will vary based on Active PRF.