28 SURFACE RAINFALL ACCUMULATION (OHP, THP)

28.1 SS Product Description

"These products shall provide 1-hour and 3-hour rainfall accumulation maps displayed as an image. The 1-hour map shall be updated every volume scan time and the 3-hour map shall be updated once per hour. These products shall be available for 16 accumulated precipitation data levels. Each product shall include annotations for the product name, radar ID, date and ending time (TSavgcur* or clock hour as appropriate) of the rainfall rate integration, maximum data value, radar position, radar elevation above MSL, radar operational mode, mean-field bias in the radar estimate of the precipitation rate (Bcur*), and the effective (Gage-Radar Pair) sample size associated with the bias estimate (GRPcur*)."

28.2 Display Format

These products are displayable in full-screen format or quarter-screen format (see Appendix B).

28.2.1 Data Levels

The product will contain 16 data levels. The data level code may vary with operational mode and with NEXRAD (or agency) system adaptation data. The data thresholds are also site adaptable.

28.2.2 Color Level Code Table

			Color Levels	
16-Level Code	Display Inches	Range Inches	Code	Color
0	ND	in=0.0	(00 00 00)	black
1	>0.00	0.0<in<0.1	(AA AA AA)	gray
2	0.10	0.1≤in<0.25	(76 76 76)	dark gray
3	0.25	0.25≤in<0.5	(00 FF FF)	cyan
4	0.50	0.5≤in<.075	(00 AF AF)	dark cyan
5	0.75	0.75≤in<1.0	(00 FF 00)	green
6	1.00	1.0≤in<1.25	(00 8F 00)	dark green
7	1.25	1.25≤in<1.5	(FF 00 FF)	magenta
8	1.50	1.5≤in<1.75	(AF 32 7D)	dark magenta
9	1.75	1.75≤in<2.0	(00 00 FF)	blue
A	2.00	2.0≤in<2.5	(32 00 96)	dark blue
B	2.50	2.5≤in<3.0	(FF FF 00)	yellow
C	3.00	3.0≤in<4.0	(FF AA 00)	orange
D	4.00	4.0≤in<6.0	(FF 00 00)	bright red
E	6.00	6.0≤in<8.0	(AE 00 00)	dark red
F	8.00	8.0≤in	(FF FF FF)	white

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*See Algorithm Report

28.2.3 Range/Data Resolution

The resolution of the graphic products is 1.1-nmi (range) by 1 deg (azimuth) out to a range of 124 nmi.