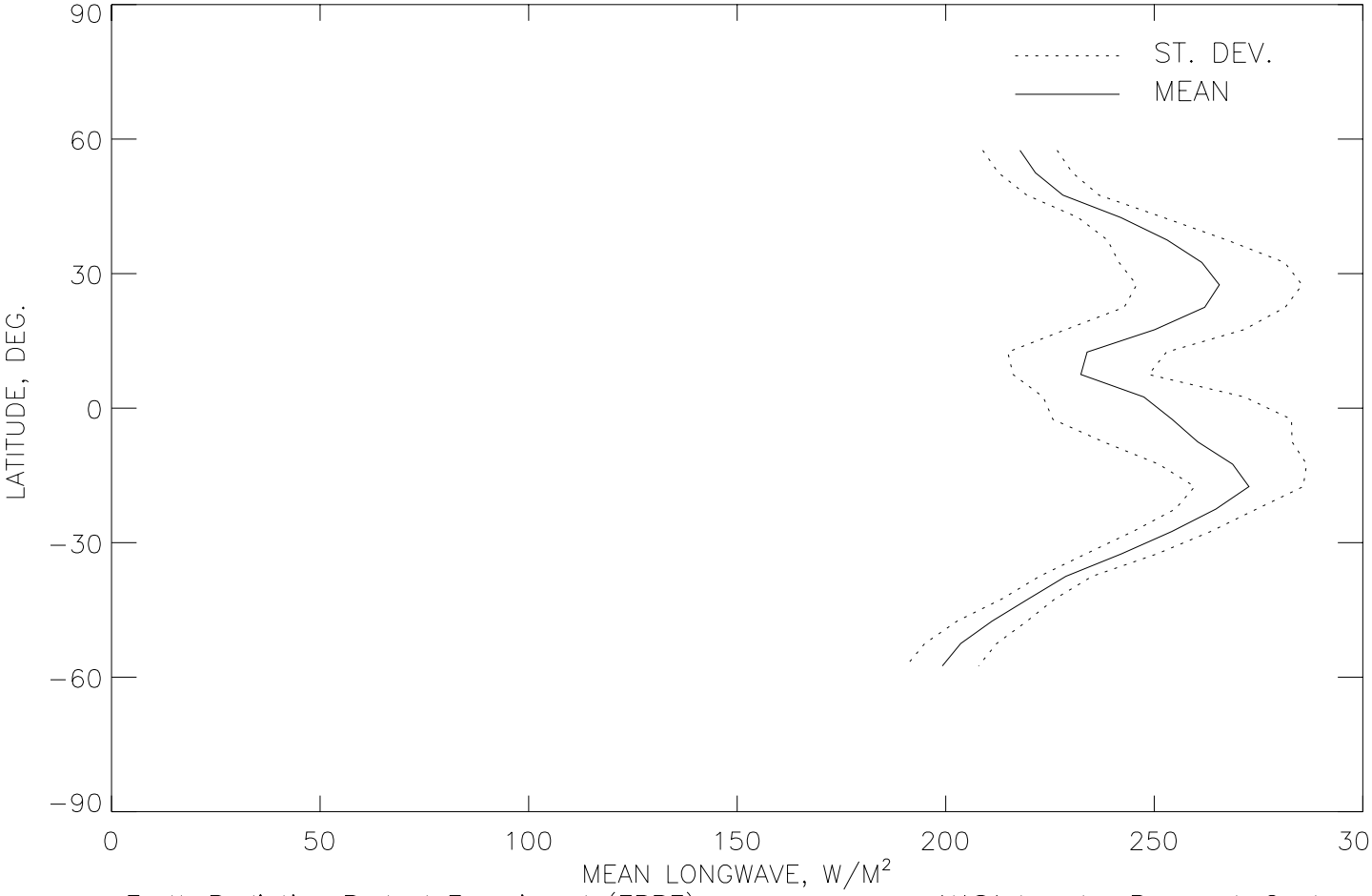
LONGWAVE

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, LW, SEP 92, HGMA, PRC–03–10–01

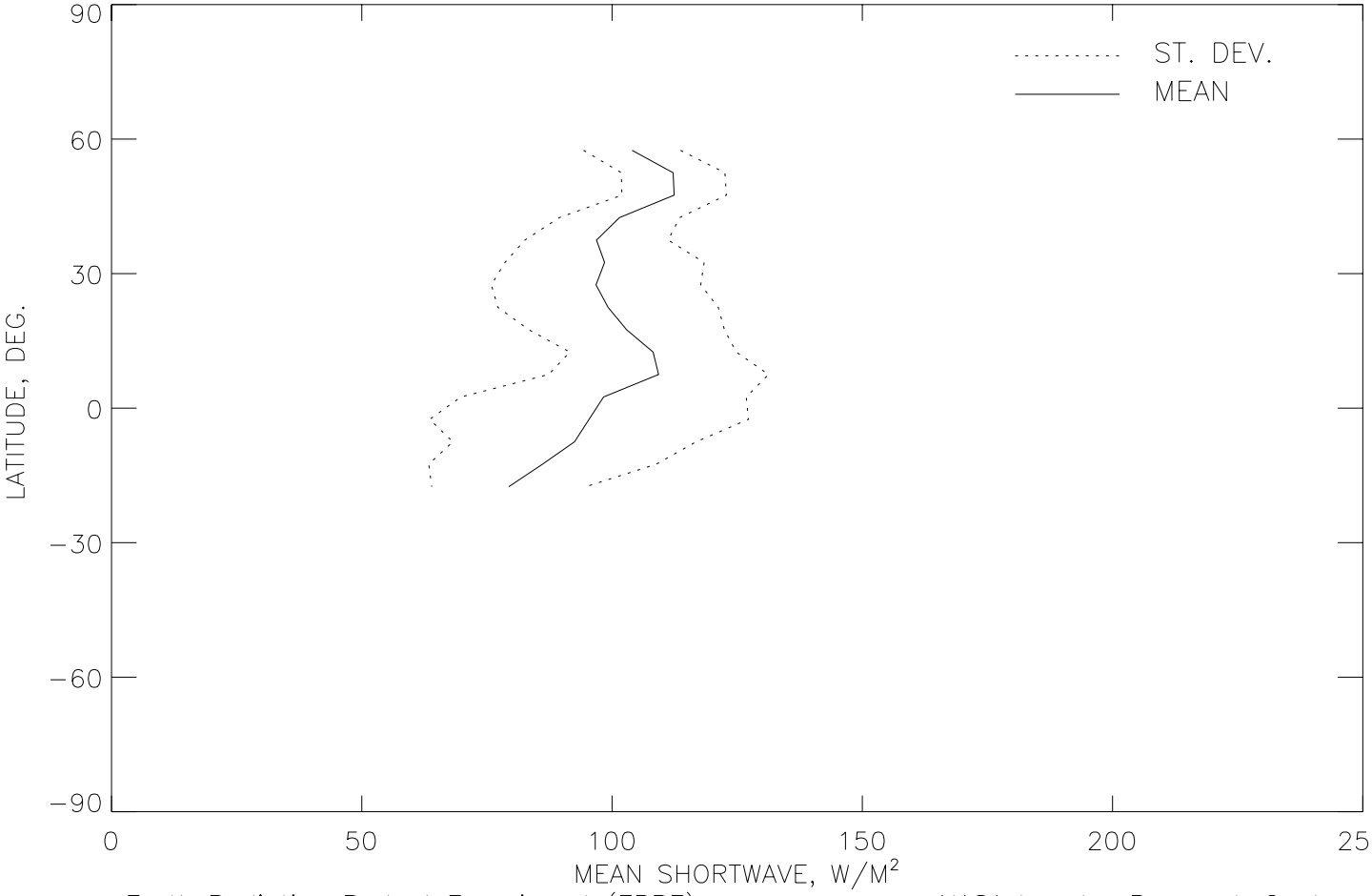


LAT 90S TO 90N	WTD MEAN= 244.5	SD= 16.3	MAX= 272.70				
LAT 0 TO 90N	WTD MEAN= 244.6	SD= 17.5	LAT= −17.50				
LAT 0 TO 50N	WTD MEAN= 247.8	SD= 18.3					
LAT 90S TO 0	WTD MEAN= 244.4	SD= 14.9	MIN= 199.20				
LAT 50S TO 0	WTD MEAN= 250.0	SD= 15.6	LAT= −57.50				
LAT 50S TO 50N	WTD MEAN= 248.9	SD= 17.0					

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, SEP 92, HGMA, PRC–03–10–01



LAT 90S TO 90N	WTD MEAN= 89.0	SD= 19.4	MAX= 112.40				
LAT 0 TO 90N	WTD MEAN= 103.0	SD= 18.9	LAT= 47.50				
LAT 0 TO 50N	WTD MEAN= 102.3	SD= 19.8					
LAT 90S TO 0	WTD MEAN= 86.9	SD= 22.9	MIN= 79.40				
LAT 50S TO 0	WTD MEAN= 86.9	SD= 22.9	LAT= −17.50				
LAT 50S TO 50N	WTD MEAN= 96.9	SD= 21.0					

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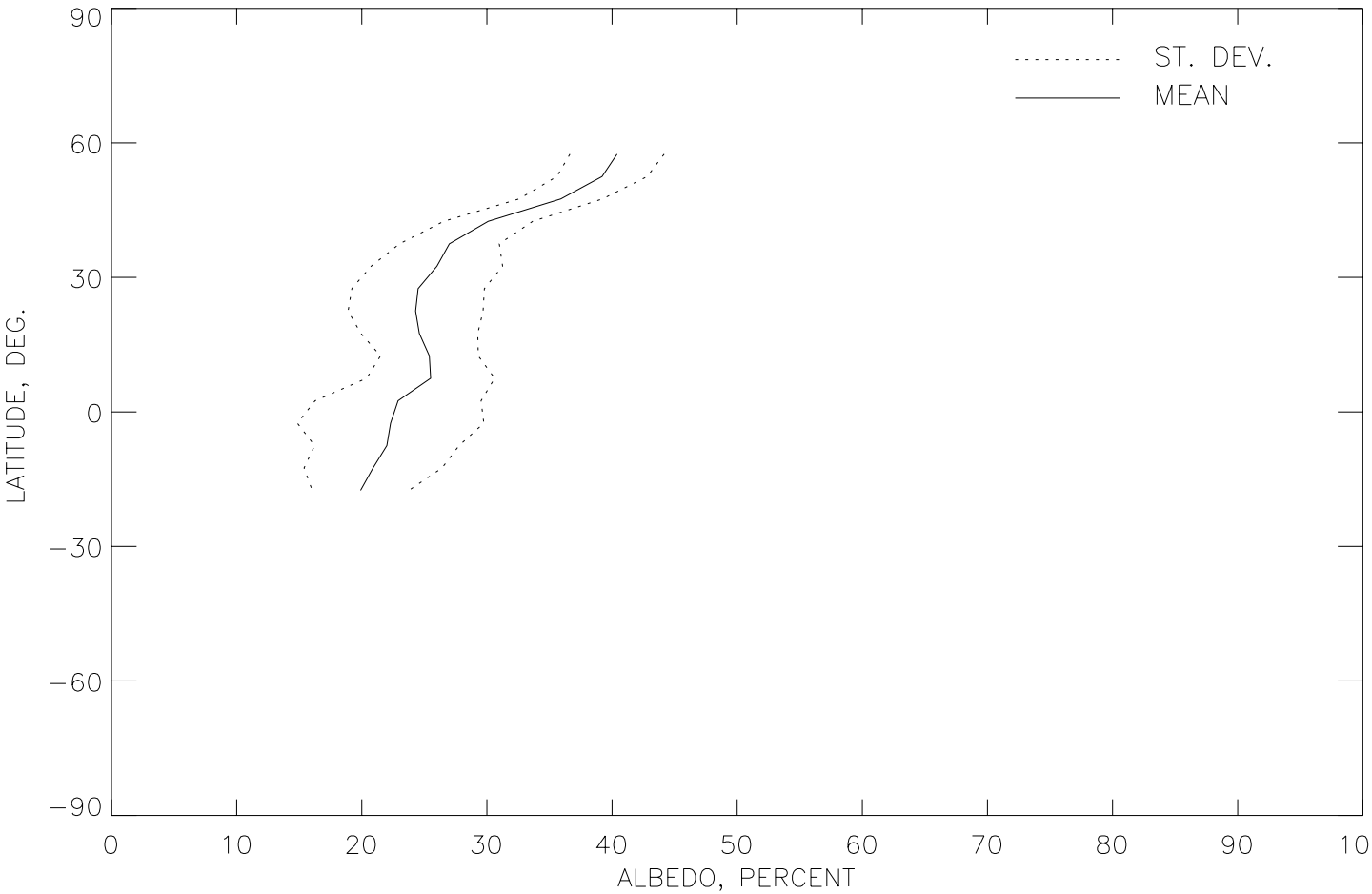
ALBEDO

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, ALB, SEP 92, HGMA, PRC–03–10–01

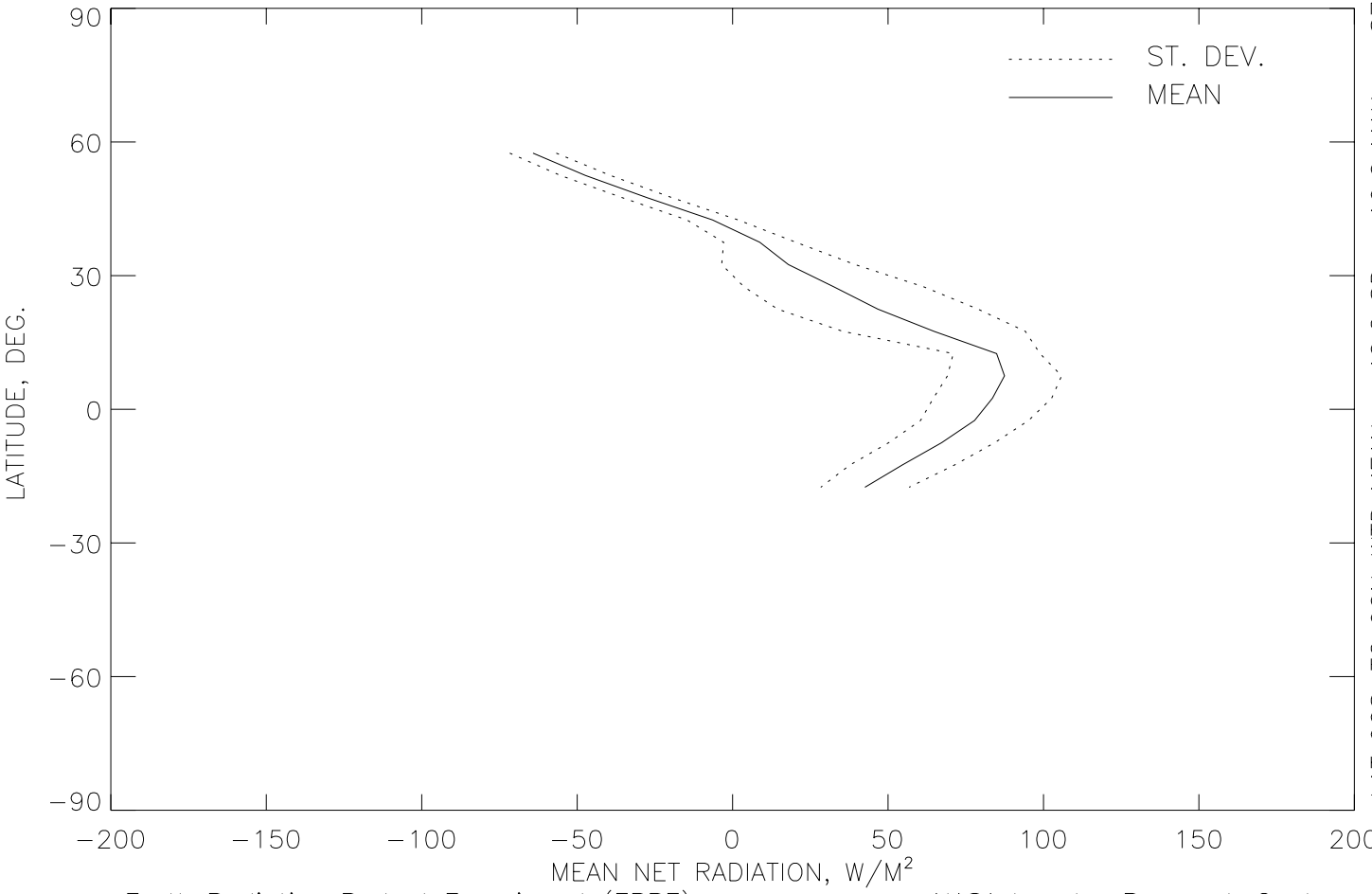


LAT 90S TO 90N	WTD MEAN= 25.1	SD= 5.1	MAX= 40.40			
LAT 0 TO 90N	WTD MEAN= 27.1	SD= 4.9	LAT= 57.50			
LAT 0 TO 50N	WTD MEAN= 26.0	SD= 4.9				
LAT 90S TO 0	WTD MEAN= 21.2	SD= 5.5	MIN= 19.90			
LAT 50S TO 0	WTD MEAN= 21.2	SD= 5.5	LAT= −17.50			
LAT 50S TO 50N	WTD MEAN= 24.2	SD= 5.2				

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, NET, SEP 92, HGMA, PRC–03–10–01

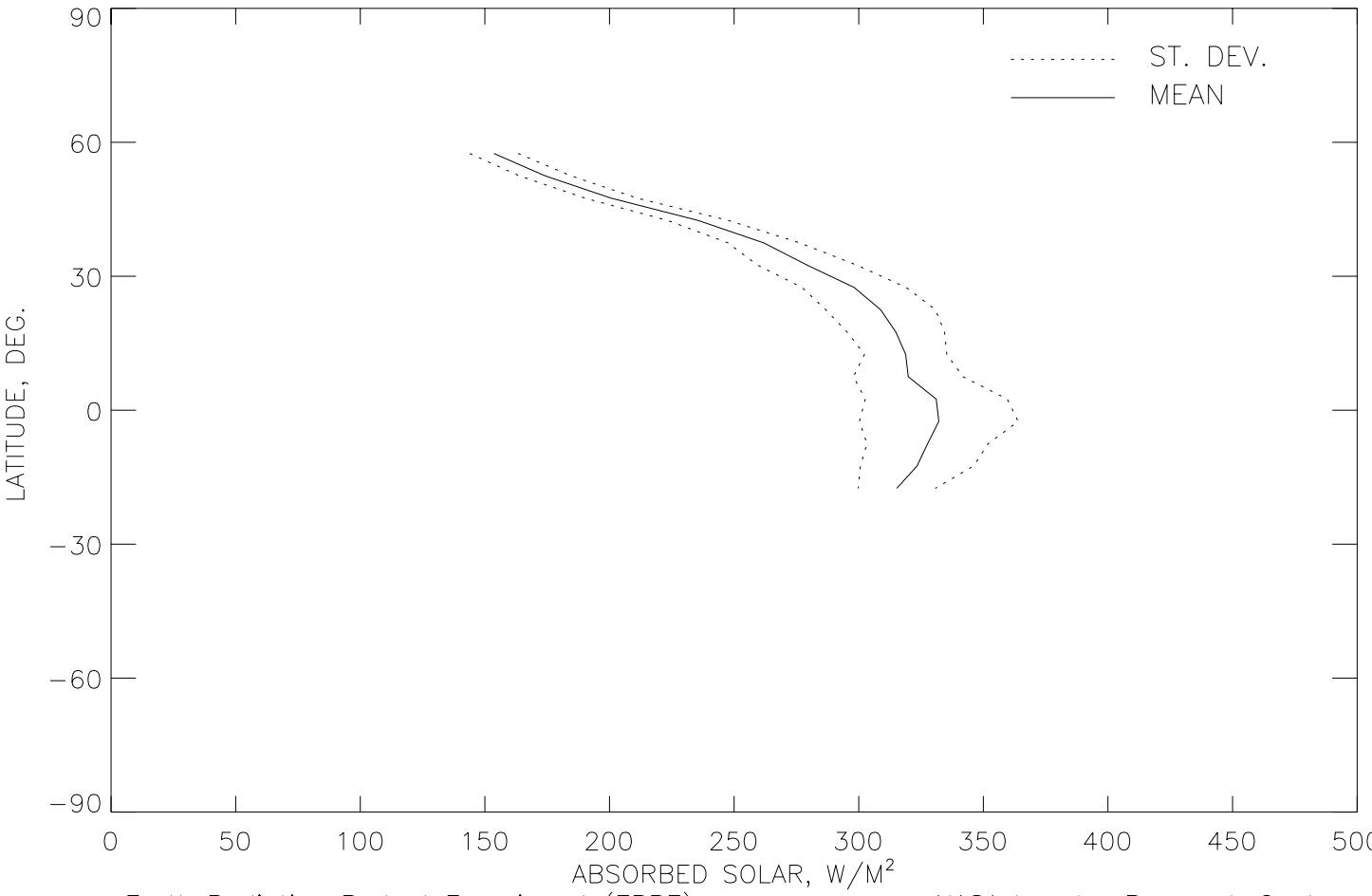


LAT 90S TO 90N WTD MEAN= 40.2 SD= 19.0 MAX= 87.47
LAT 0 TO 90N WTD MEAN= 32.5 SD= 20.2 LAT= 7.50
LAT 0 TO 50N WTD MEAN= 43.9 SD= 21.3
LAT 90S TO 0 WTD MEAN= 55.9 SD= 16.0 MIN= −64.19
LAT 50S TO 0 WTD MEAN= 55.9 SD= 16.0 LAT= 57.50
LAT 50S TO 50N WTD MEAN= 48.2 SD= 19.6

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

5° WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, SEP 92, HGMA, PRC–03–10–01

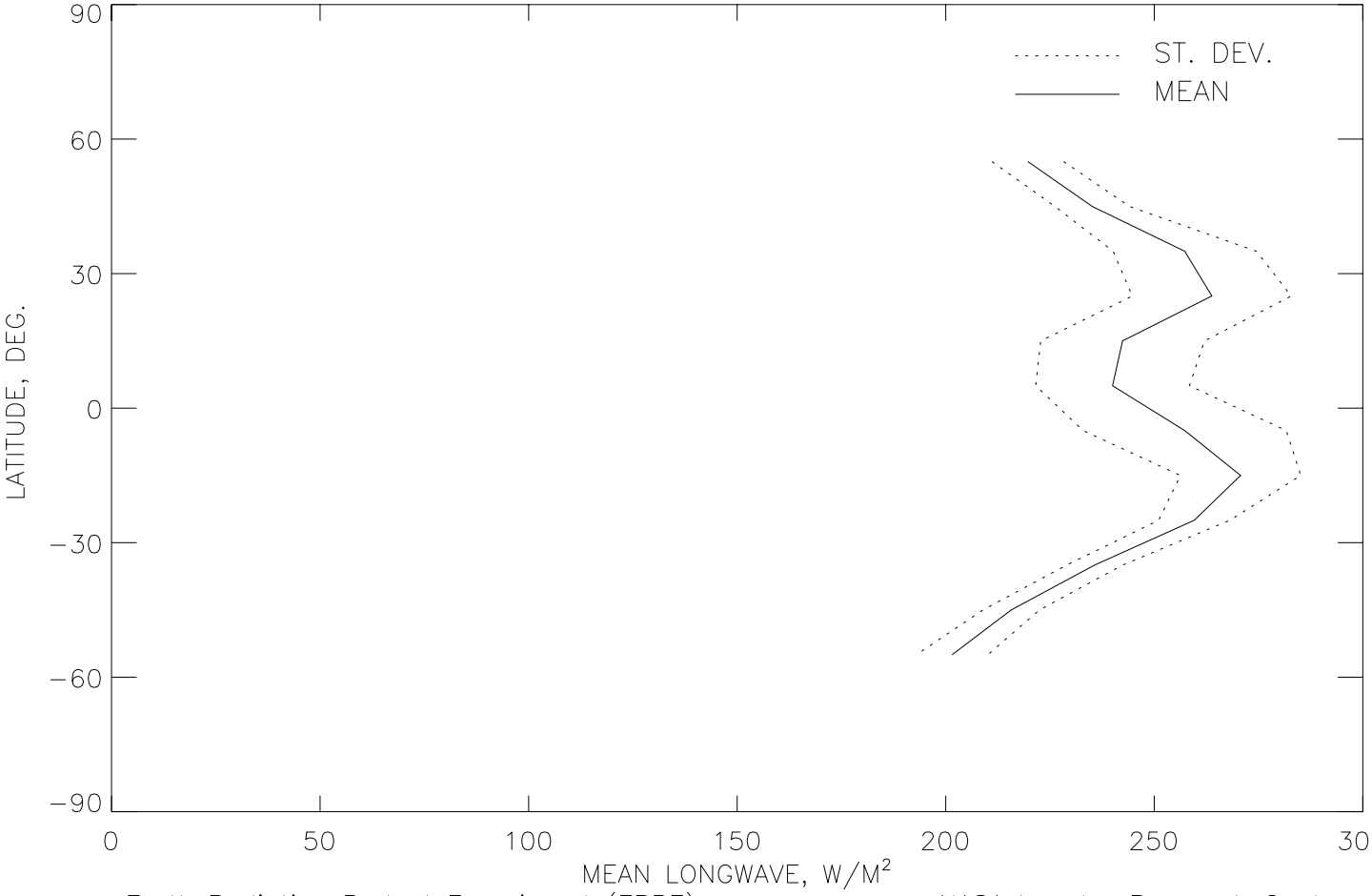


LAT 90S TO 90N WTD MEAN= 291.1 SD= 20.3 MAX= 332.14
LAT 0 TO 90N WTD MEAN= 277.1 SD= 18.9 LAT= −2.50
LAT 0 TO 50N WTD MEAN= 291.7 SD= 19.8
LAT 90S TO 0 WTD MEAN= 320.0 SD= 22.9 MIN= 153.61
LAT 50S TO 0 WTD MEAN= 320.0 SD= 22.9 LAT= 57.50
LAT 50S TO 50N WTD MEAN= 301.8 SD= 21.0

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

LONGWAVE

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, LW, SEP 92, HGMA, PRC–03–10–01

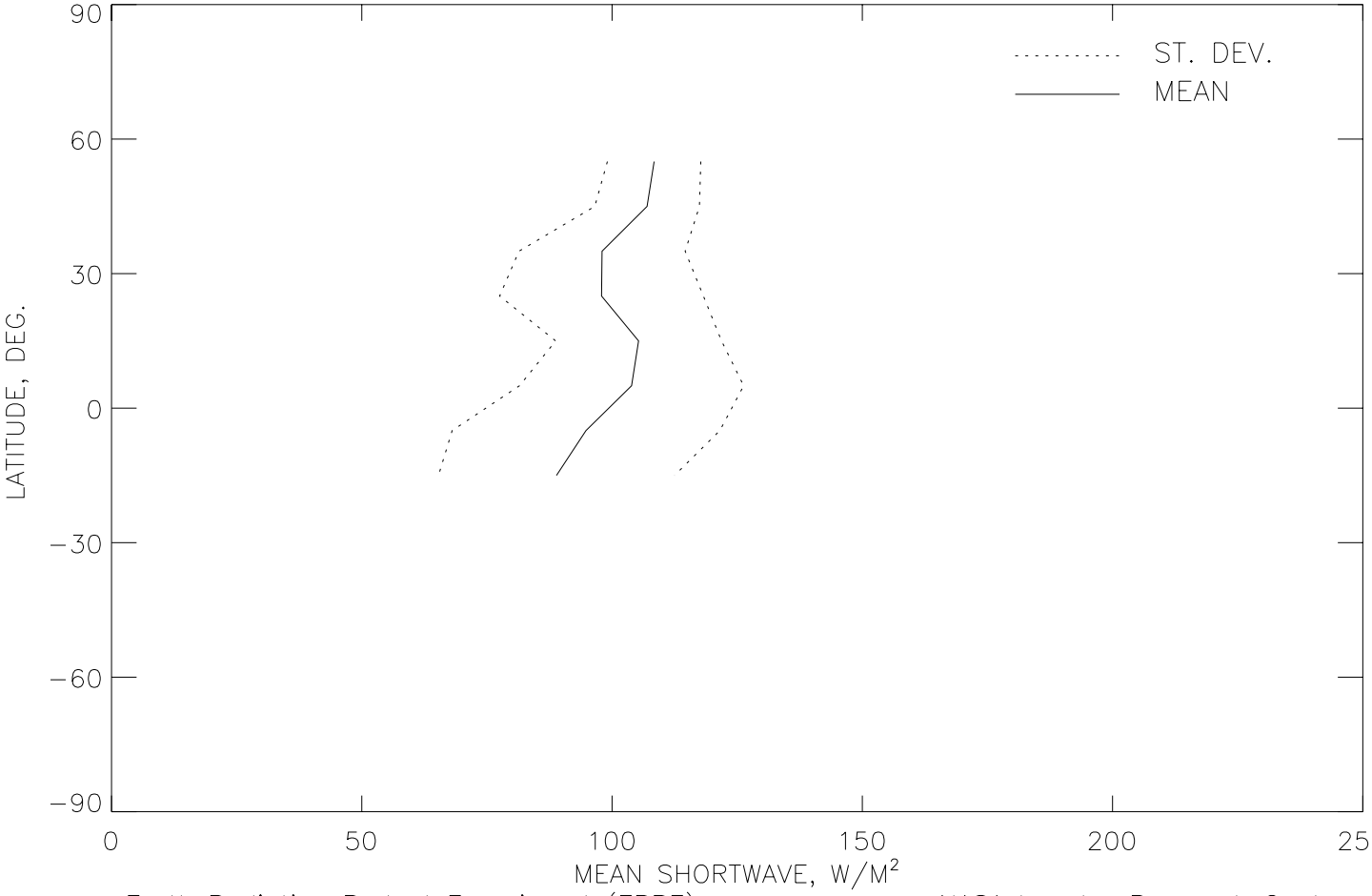


LAT 90S	TO 90N	WTD	MEAN=	244.5	SD=	15.4	MAX=	270.70
LAT 0	TO 90N	WTD	MEAN=	244.6	SD=	16.7	LAT=	−15.00
LAT 0	TO 50N	WTD	MEAN=	247.9	SD=	17.4		
LAT 90S	TO 0	WTD	MEAN=	244.4	SD=	14.0	MIN=	201.50
LAT 50S	TO 0	WTD	MEAN=	250.0	SD=	14.5	LAT=	−55.00
LAT 50S	TO 50N	WTD	MEAN=	248.9	SD=	16.0		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

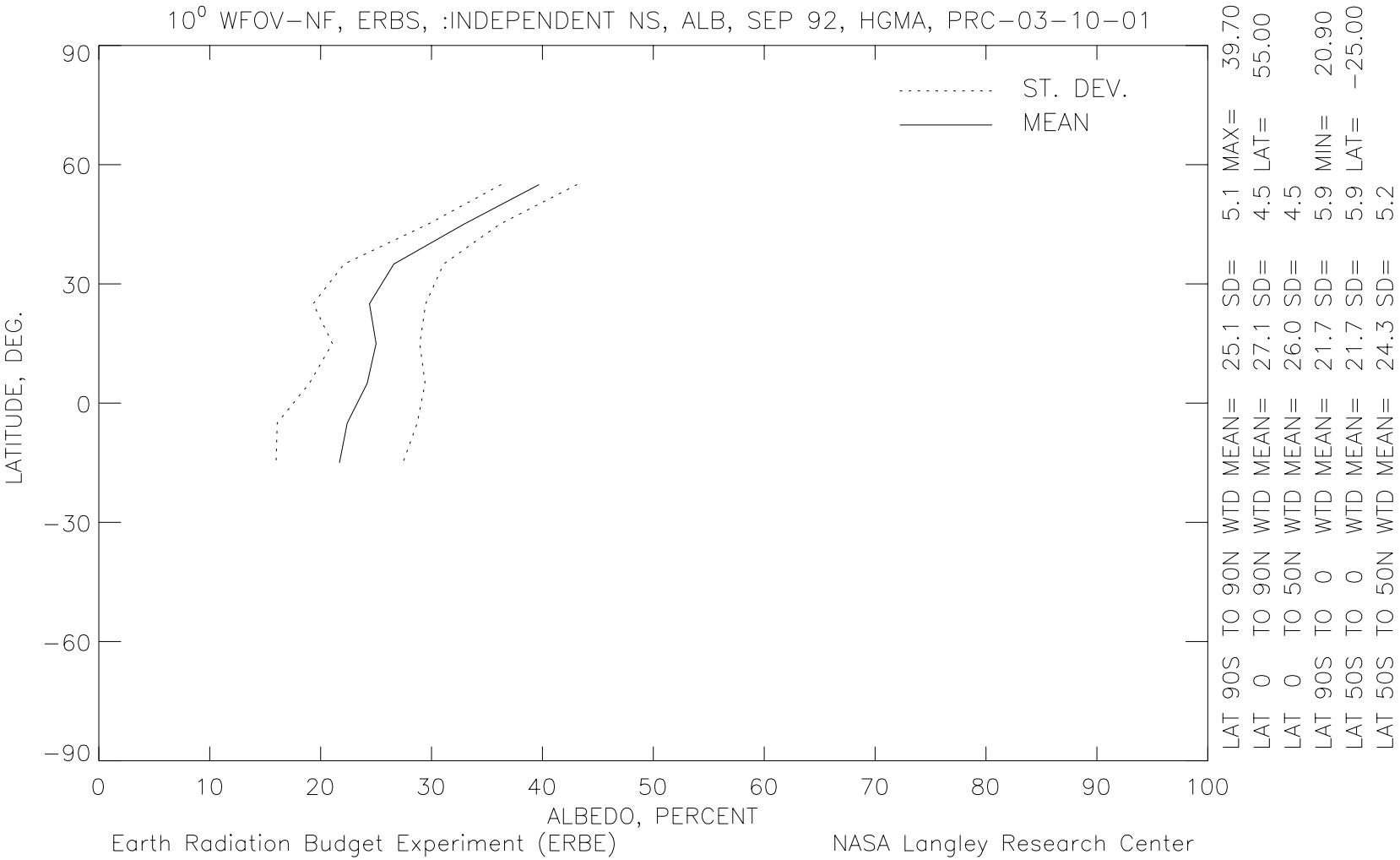
10^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, SEP 92, HGMA, PRC–03–10–01



LAT 90S TO 90N	WTD MEAN= 97.7	SD= 20.4	MAX= 108.40				
LAT 0 TO 90N	WTD MEAN= 103.1	SD= 17.3	LAT= 55.00				
LAT 0 TO 50N	WTD MEAN= 102.4	SD= 18.1					
LAT 90S TO 0	WTD MEAN= 88.3	SD= 24.7	MIN= 80.50				
LAT 50S TO 0	WTD MEAN= 88.3	SD= 24.7	LAT= −25.00				
LAT 50S TO 50N	WTD MEAN= 96.8	SD= 21.0					

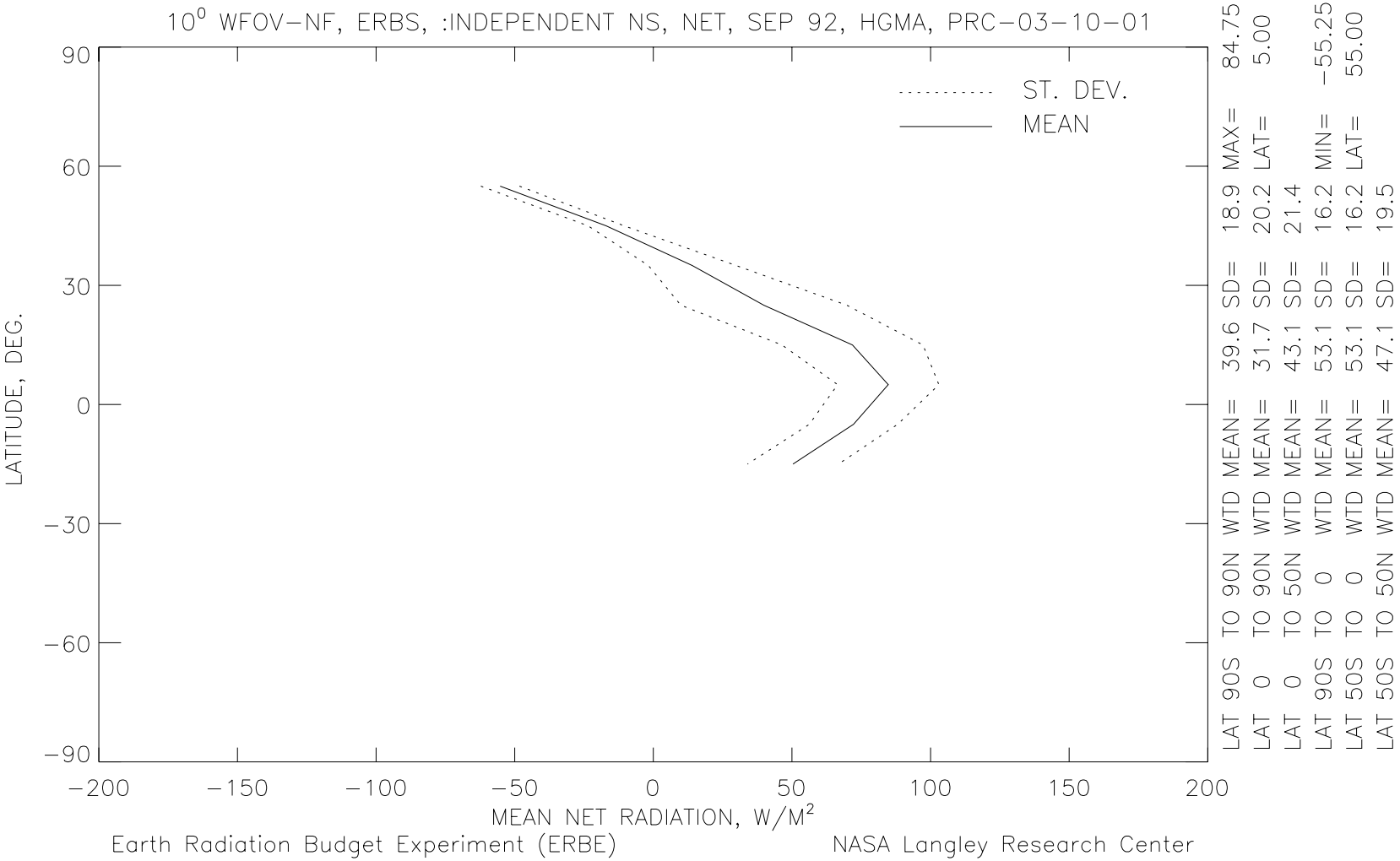
Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

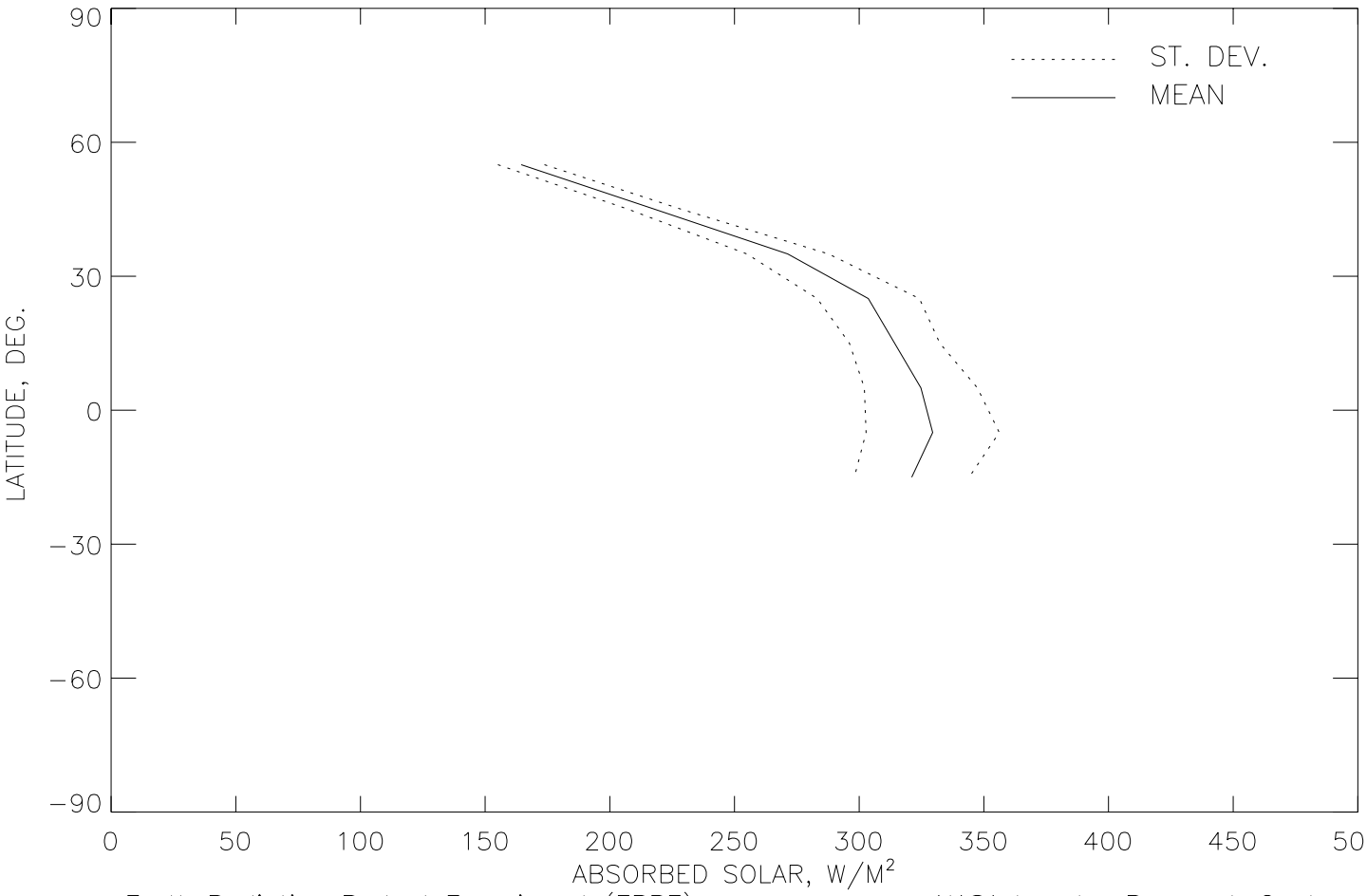
NET RADIATION



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, SEP 92, HGMA, PRC–03–10–01

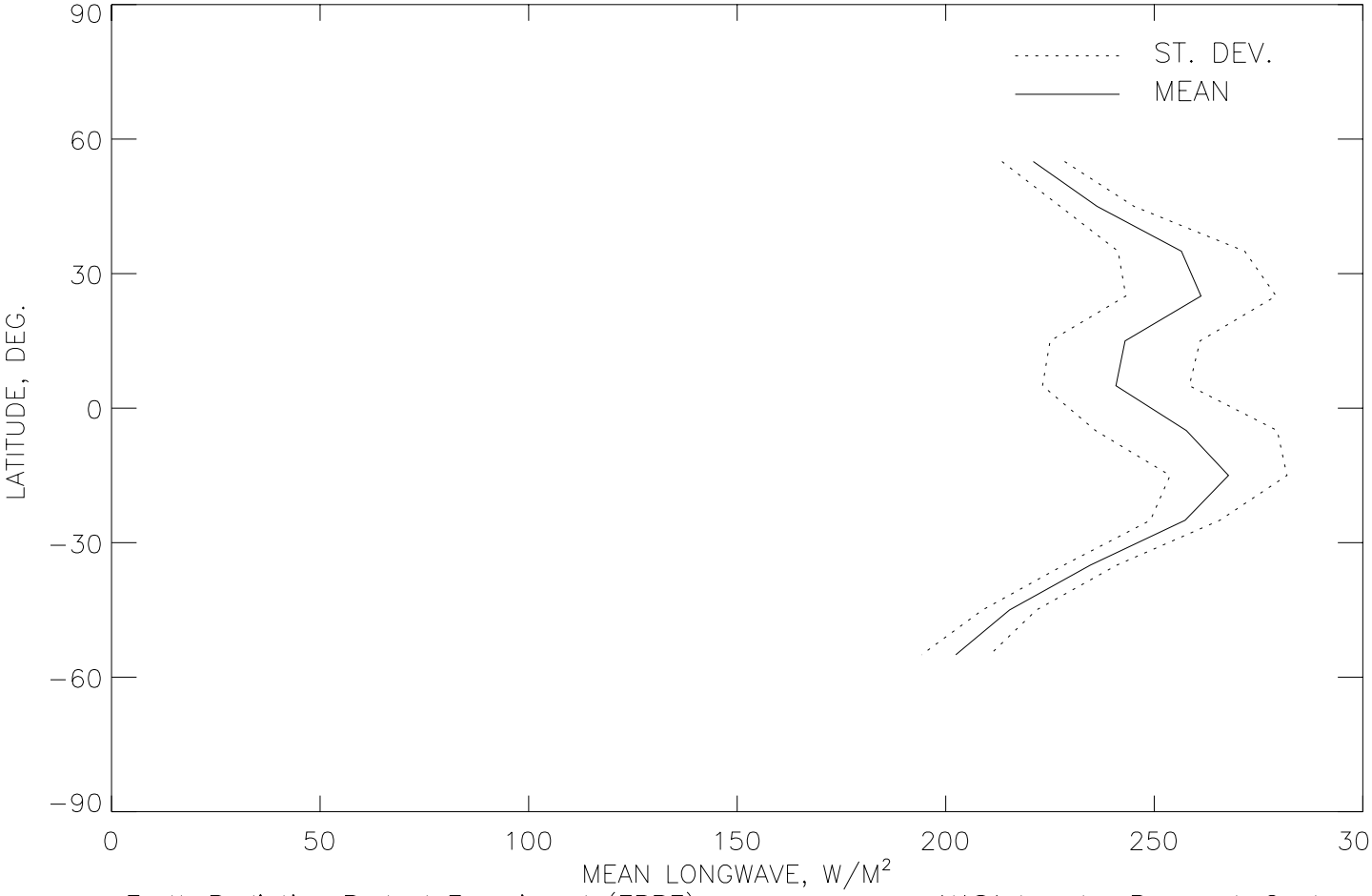


LAT 90S TO 90N WTD MEAN= 290.8 SD= 20.4 MAX= 329.49
LAT 0 TO 90N WTD MEAN= 276.4 SD= 17.7 LAT= −5.00
LAT 0 TO 50N WTD MEAN= 291.0 SD= 18.5
LAT 90S TO 0 WTD MEAN= 315.7 SD= 24.4 MIN= 164.45
LAT 50S TO 0 WTD MEAN= 315.7 SD= 24.4 LAT= 55.00
LAT 50S TO 50N WTD MEAN= 300.7 SD= 21.0

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

LONGWAVE

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, LW, SEP 92, HGMA, PRC–03–10–01

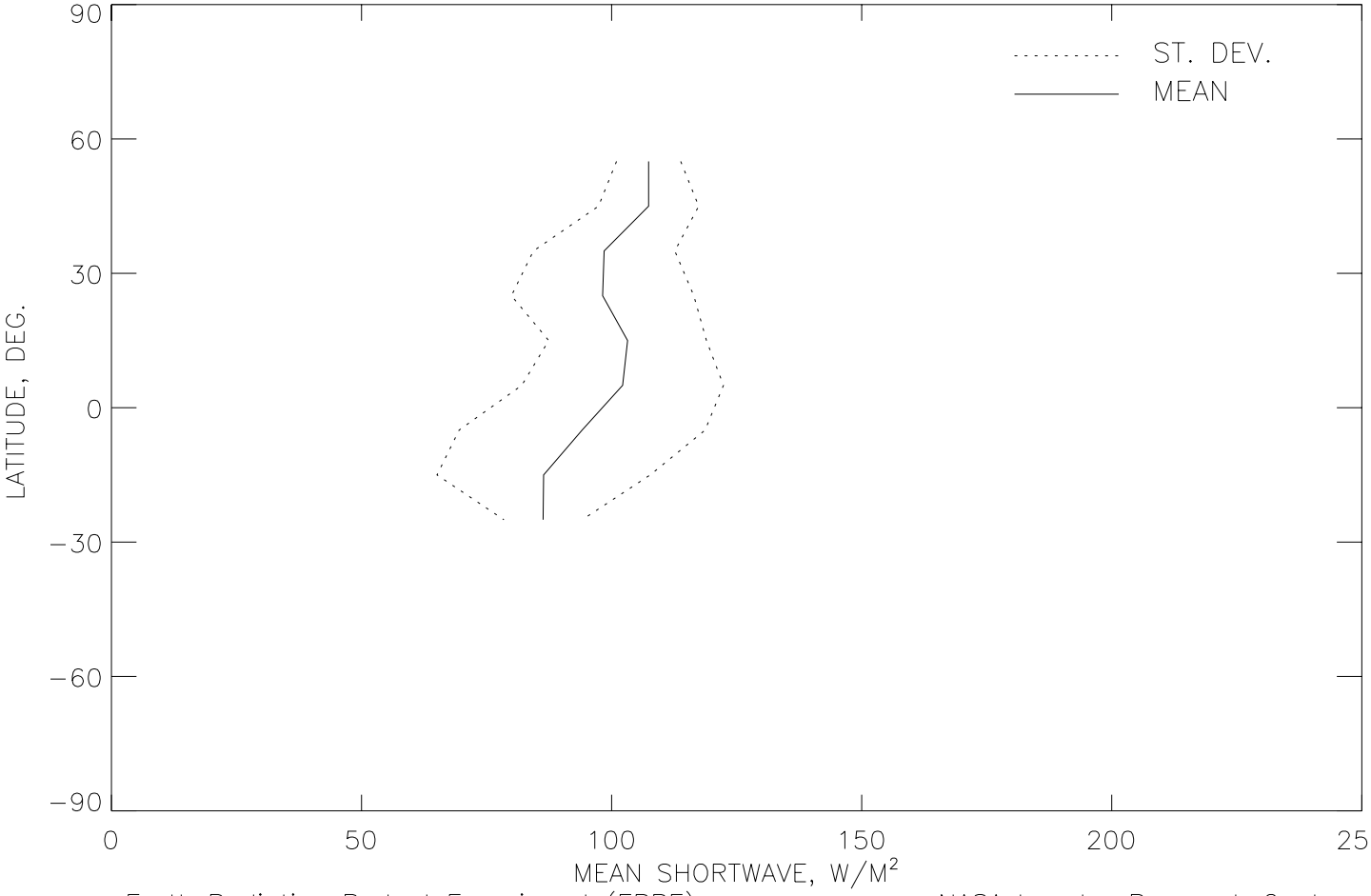


LAT 90S TO 90N	WTD MEAN= 244.0	SD= 14.3	MAX= 267.80				
LAT 0 TO 90N	WTD MEAN= 244.6	SD= 15.5	LAT= −15.00				
LAT 0 TO 50N	WTD MEAN= 247.7	SD= 16.2					
LAT 90S TO 0	WTD MEAN= 243.4	SD= 12.9	MIN= 202.40				
LAT 50S TO 0	WTD MEAN= 248.7	SD= 13.4	LAT= −55.00				
LAT 50S TO 50N	WTD MEAN= 248.2	SD= 14.9					

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, SW, SEP 92, HGMA, PRC–03–10–01

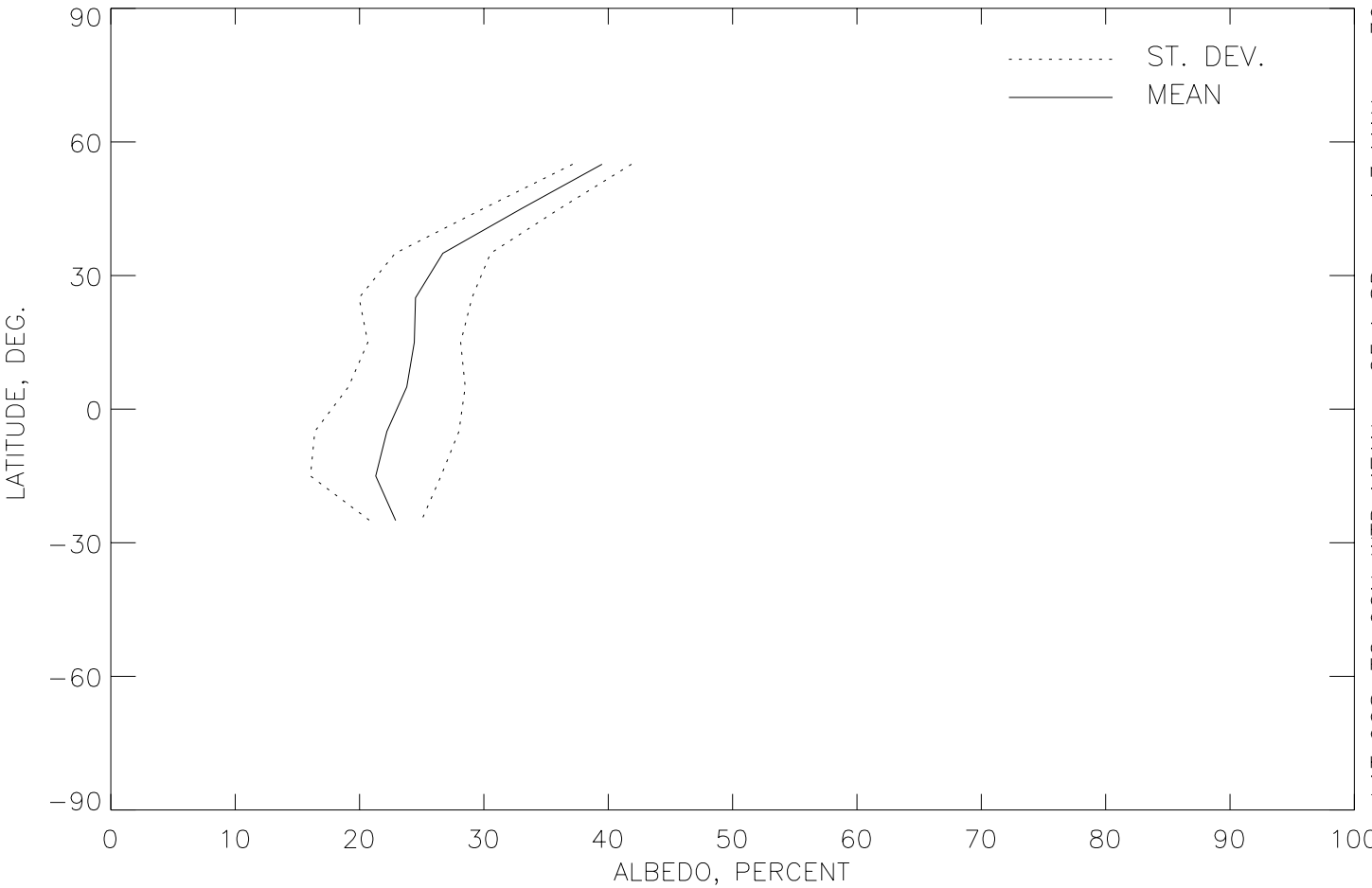


LAT 90S	TO 90N	WTD MEAN=	97.5	SD=	17.1	MAX=	107.40		
LAT 0	TO 90N	WTD MEAN=	102.4	SD=	15.6	LAT=	55.00		
LAT 0	TO 50N	WTD MEAN=	101.7	SD=	16.4				
LAT 90S	TO 0	WTD MEAN=	89.0	SD=	19.6	MIN=	86.30		
LAT 50S	TO 0	WTD MEAN=	89.0	SD=	19.6	LAT=	−25.00		
LAT 50S	TO 50N	WTD MEAN=	96.7	SD=	17.7				

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ALB, SEP 92, HGMA, PRC–03–10–01

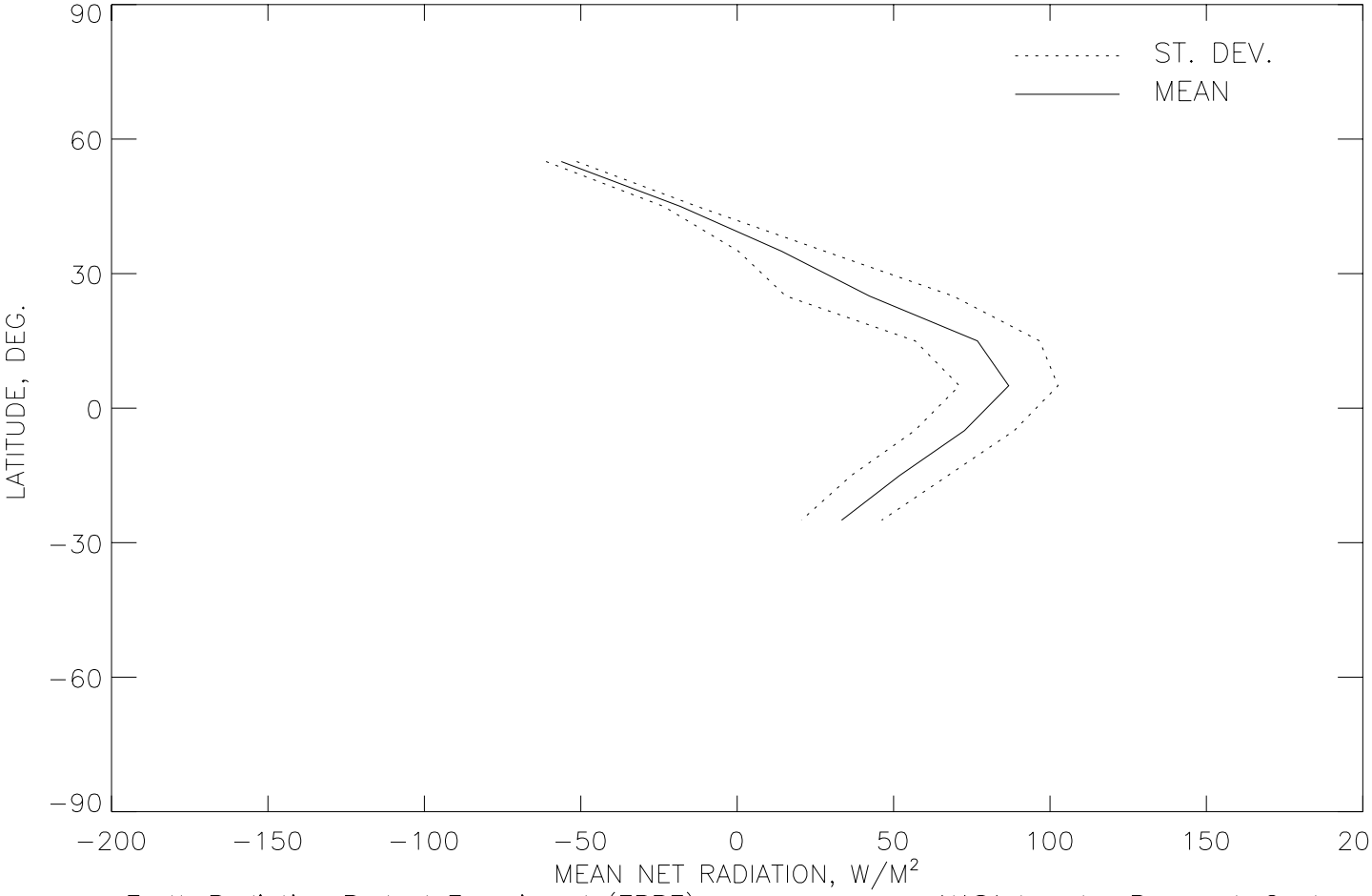


LAT 90S TO 90N	WTD MEAN=	25.1	SD=	4.3	MAX=	39.50
LAT 0 TO 90N	WTD MEAN=	26.9	SD=	4.0	LAT=	55.00
LAT 0 TO 50N	WTD MEAN=	25.8	SD=	4.1		
LAT 90S TO 0	WTD MEAN=	22.1	SD=	4.8	MIN=	21.30
LAT 50S TO 0	WTD MEAN=	22.1	SD=	4.8	LAT=	−15.00
LAT 50S TO 50N	WTD MEAN=	24.3	SD=	4.4		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, NET, SEP 92, HGMA, PRC–03–10–01

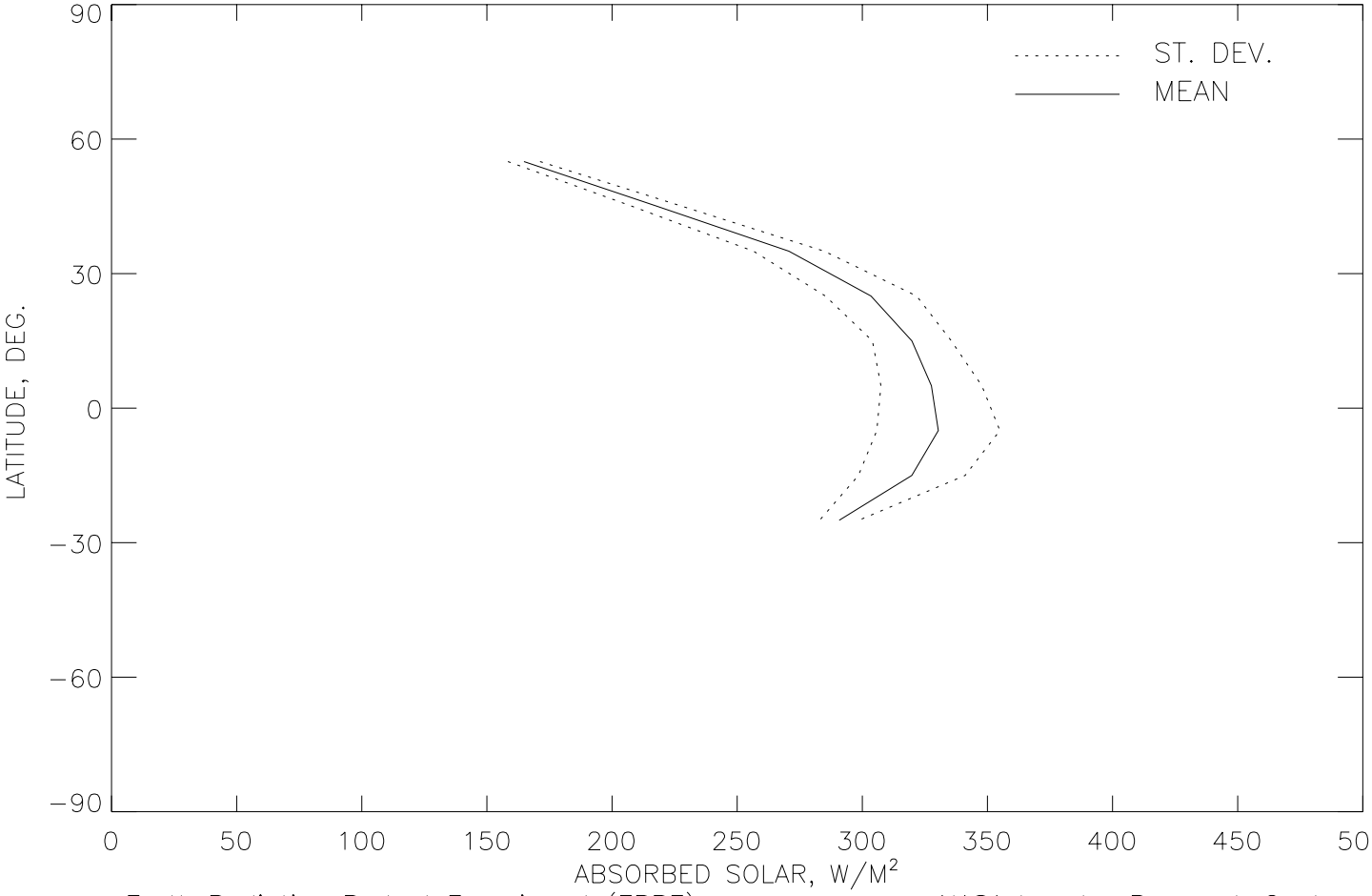


LAT 90S TO 90N	WTD MEAN=	40.6	SD=	16.4	MAX=	86.80
LAT 0 TO 90N	WTD MEAN=	33.3	SD=	17.2	LAT=	5.00
LAT 0 TO 50N	WTD MEAN=	45.0	SD=	18.2		
LAT 90S TO 0	WTD MEAN=	53.3	SD=	14.9	MIN=	−56.20
LAT 50S TO 0	WTD MEAN=	53.3	SD=	14.9	LAT=	55.00
LAT 50S TO 50N	WTD MEAN=	48.3	SD=	17.0		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ABSR, SEP 92, HGMA, PRC–03–10–01



LAT 90S TO 90N WTD MEAN= 291.2 SD= 17.1 MAX= 330.38
LAT 0 TO 90N WTD MEAN= 277.9 SD= 15.6 LAT= −5.00
LAT 0 TO 50N WTD MEAN= 292.7 SD= 16.4
LAT 90S TO 0 WTD MEAN= 314.3 SD= 19.6 MIN= 164.80
LAT 50S TO 0 WTD MEAN= 314.3 SD= 19.6 LAT= 55.00
LAT 50S TO 50N WTD MEAN= 301.2 SD= 17.7

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