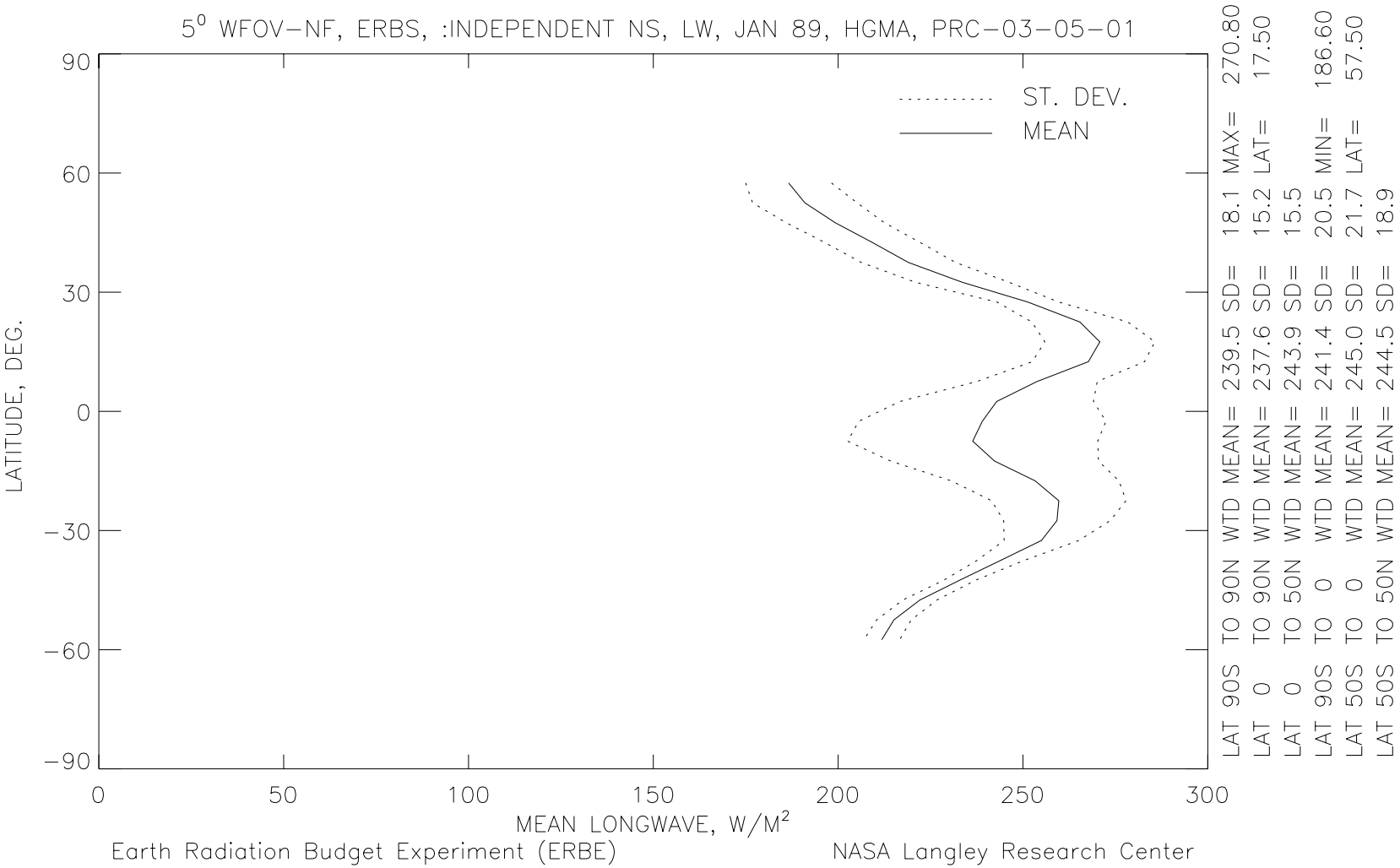
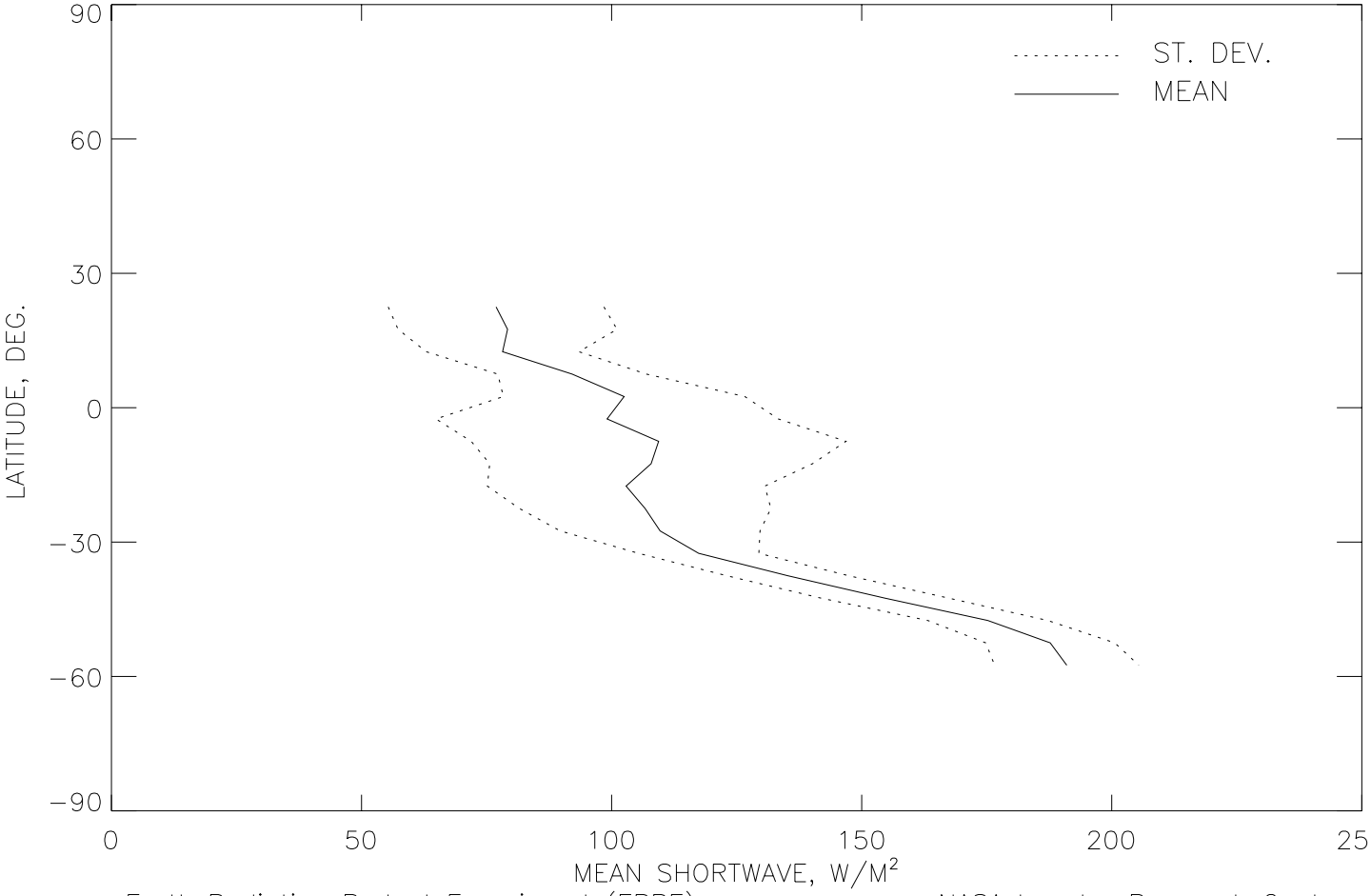
LONGWAVE



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, JAN 89, HGMA, PRC–03–05–01

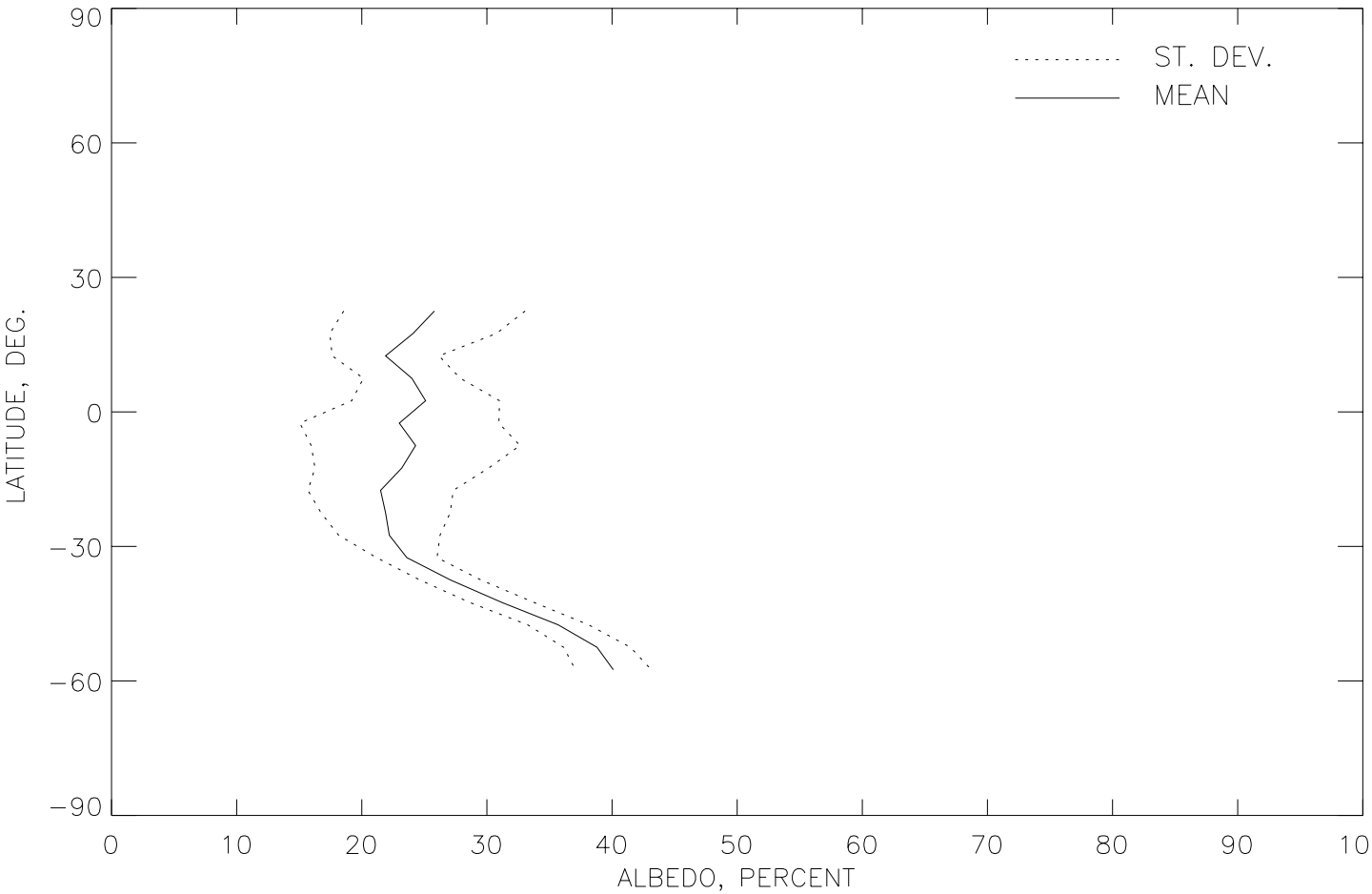


LAT 90S TO 90N	WTD MEAN=	113.7	SD=	23.0	MAX=	191.00
LAT 0 TO 90N	WTD MEAN=	86.0	SD=	19.9	LAT=	−57.50
LAT 0 TO 50N	WTD MEAN=	86.0	SD=	19.9		
LAT 90S TO 0	WTD MEAN=	127.2	SD=	24.4	MIN=	76.90
LAT 50S TO 0	WTD MEAN=	119.1	SD=	25.5	LAT=	22.50
LAT 50S TO 50N	WTD MEAN=	107.3	SD=	23.7		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, ALB, JAN 89, HGMA, PRC–03–05–01

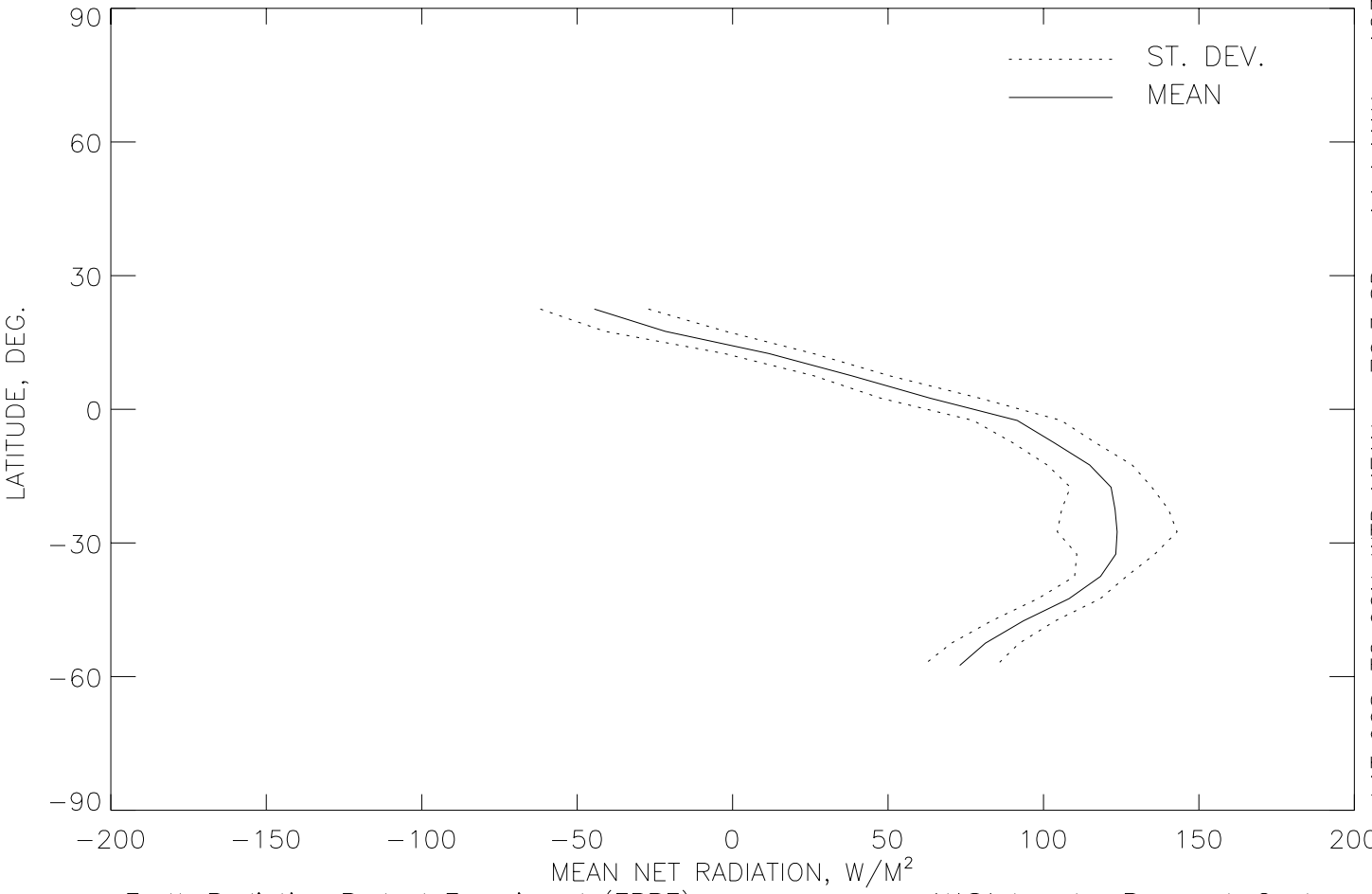


LAT 90S TO 90N	WTD MEAN=	26.0	SD=	5.3	MAX=	40.10
LAT 0 TO 90N	WTD MEAN=	24.1	SD=	5.6	LAT=	−57.50
LAT 0 TO 50N	WTD MEAN=	24.1	SD=	5.6		
LAT 90S TO 0	WTD MEAN=	26.6	SD=	5.2	MIN=	21.50
LAT 50S TO 0	WTD MEAN=	25.0	SD=	5.4	LAT=	−17.50
LAT 50S TO 50N	WTD MEAN=	24.7	SD=	5.5		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

NET RADIATION

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, NET, JAN 89, HGMA, PRC–03–05–01

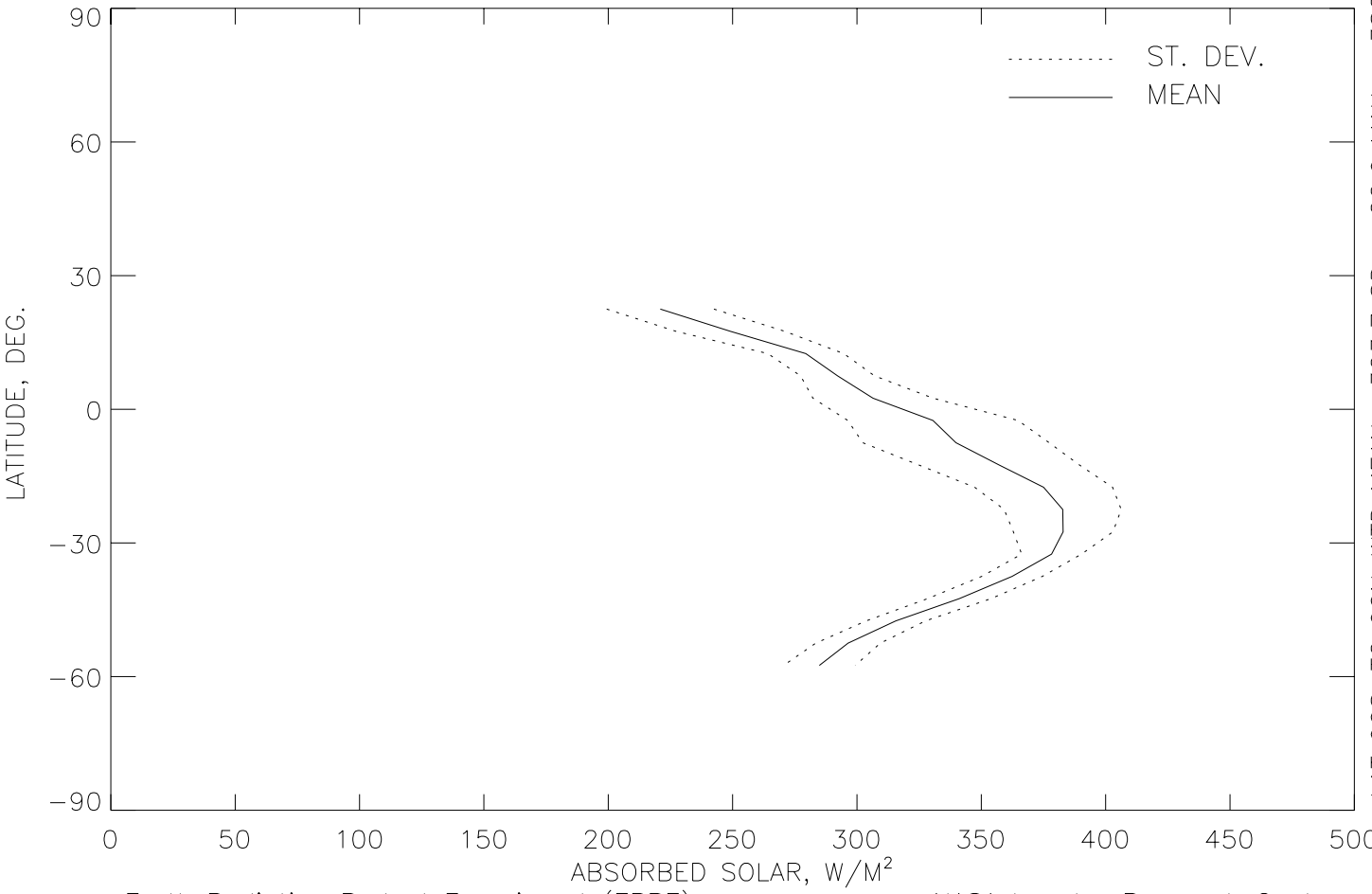


LAT 90S TO 90N	WTD MEAN=	76.3	SD=	14.4	MAX=	123.71
LAT 0 TO 90N	WTD MEAN=	10.6	SD=	16.0	LAT=	–27.50
LAT 0 TO 50N	WTD MEAN=	10.6	SD=	16.0		
LAT 90S TO 0	WTD MEAN=	108.3	SD=	13.5	MIN=	–44.46
LAT 50S TO 0	WTD MEAN=	112.3	SD=	13.7	LAT=	22.50
LAT 50S TO 50N	WTD MEAN=	76.2	SD=	14.6		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, JAN 89, HGMA, PRC–03–05–01

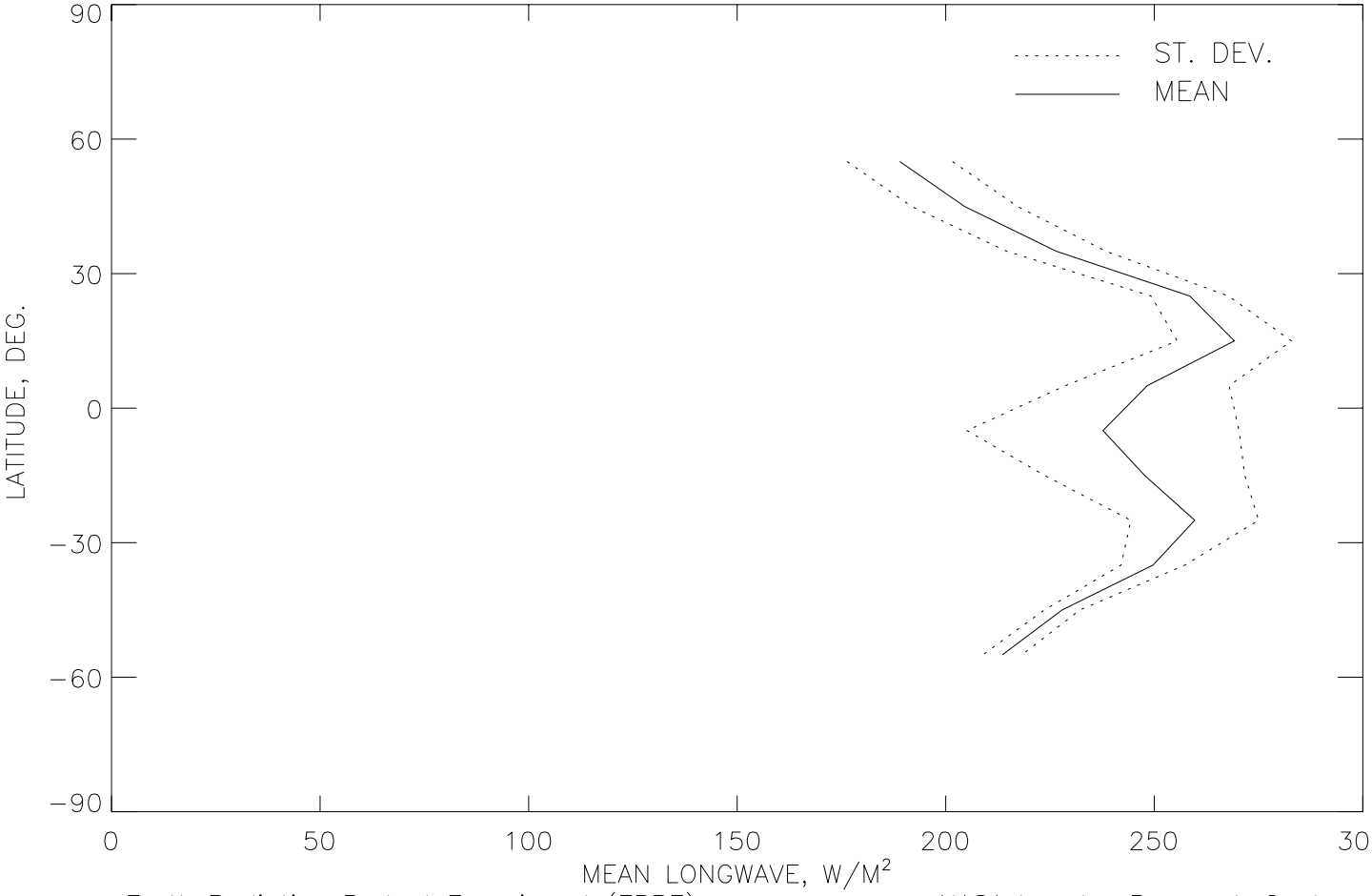


LAT 90S TO 90N WTD MEAN= 323.7 SD= 22.9 MAX= 382.91
LAT 0 TO 90N WTD MEAN= 270.5 SD= 19.9 LAT= −27.50
LAT 0 TO 50N WTD MEAN= 270.5 SD= 19.9
LAT 90S TO 0 WTD MEAN= 349.7 SD= 24.3 MIN= 220.94
LAT 50S TO 0 WTD MEAN= 357.4 SD= 25.3 LAT= 22.50
LAT 50S TO 50N WTD MEAN= 326.5 SD= 23.5

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

LONGWAVE

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, LW, JAN 89, HGMA, PRC–03–05–01

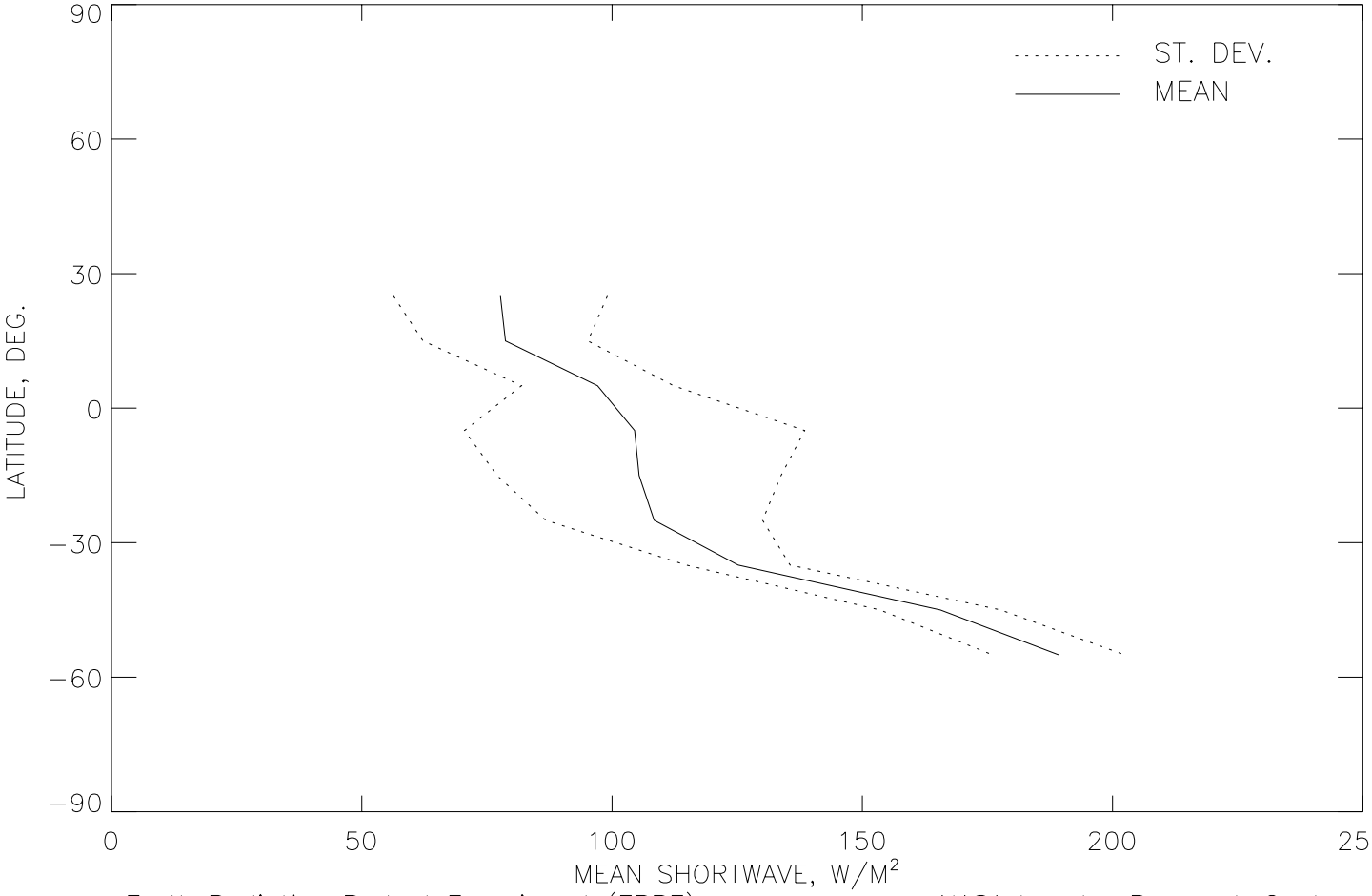


LAT 90S TO 90N WTD MEAN= 239.5 SD= 17.0 MAX= 269.20
LAT 0 TO 90N WTD MEAN= 237.5 SD= 13.9 LAT= 15.00
LAT 0 TO 50N WTD MEAN= 243.9 SD= 14.1
LAT 90S TO 0 WTD MEAN= 241.5 SD= 19.6 MIN= 189.00
LAT 50S TO 0 WTD MEAN= 245.1 SD= 20.7 LAT= 55.00
LAT 50S TO 50N WTD MEAN= 244.5 SD= 17.7

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, JAN 89, HGMA, PRC–03–05–01

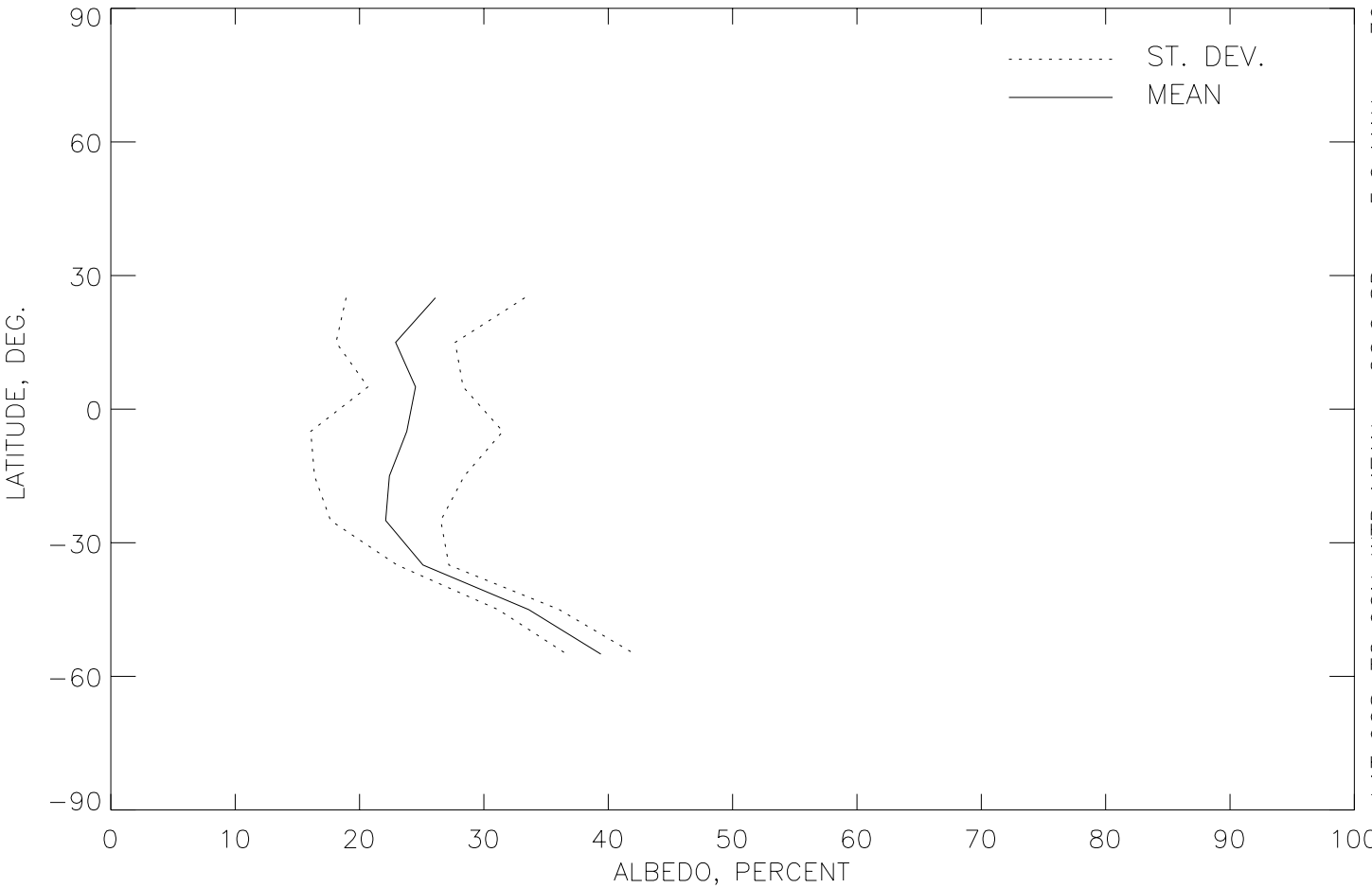


LAT 90S	TO 90N	WTD MEAN=	102.7	SD=	20.4	MAX=	189.20		
LAT 0	TO 90N	WTD MEAN=	84.8	SD=	17.8	LAT=	−55.00		
LAT 0	TO 50N	WTD MEAN=	84.8	SD=	17.8				
LAT 90S	TO 0	WTD MEAN=	127.3	SD=	23.1	MIN=	77.70		
LAT 50S	TO 0	WTD MEAN=	119.2	SD=	24.1	LAT=	25.00		
LAT 50S	TO 50N	WTD MEAN=	105.6	SD=	21.8				

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

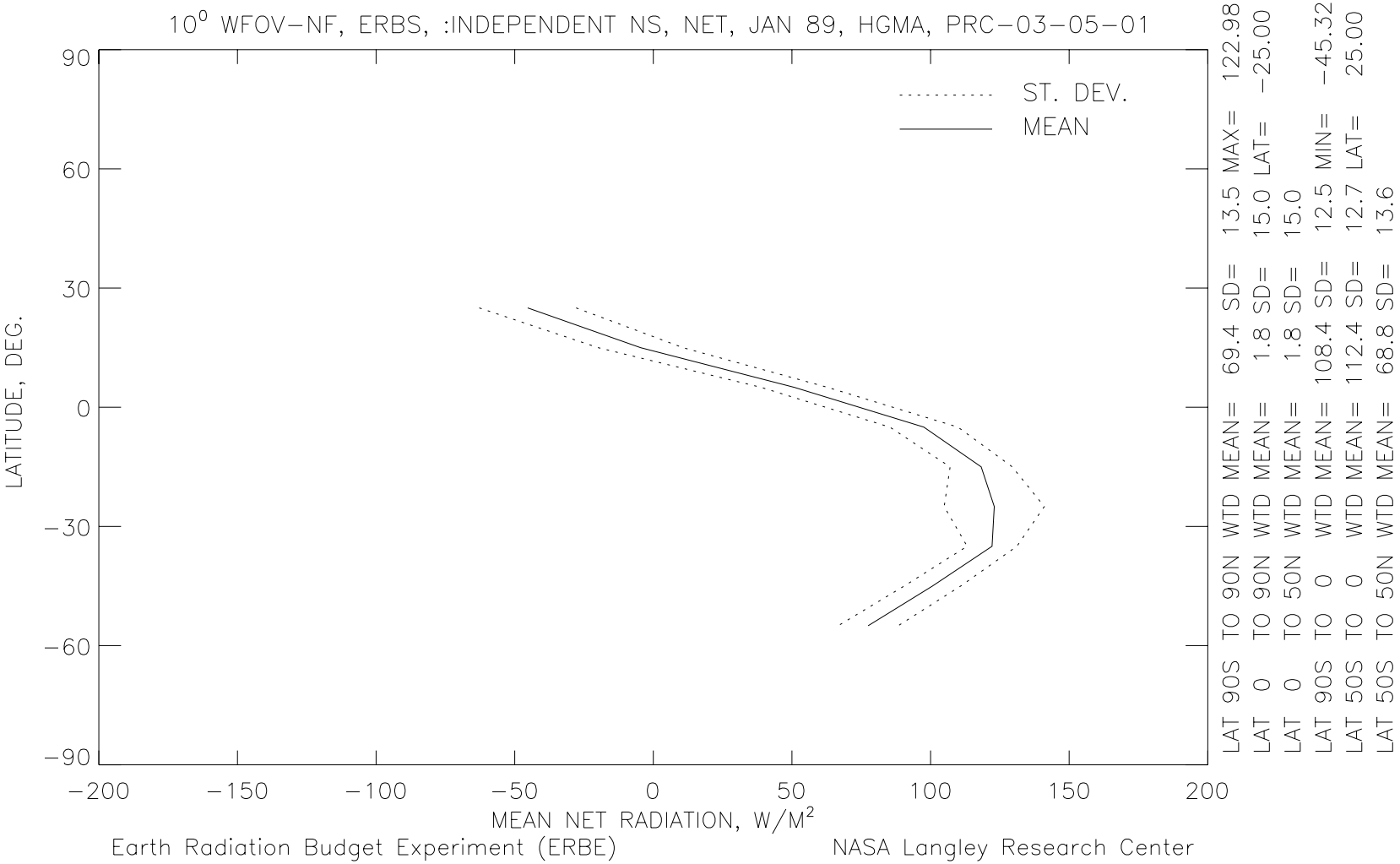
10^0 WFOV–NF, ERBS, :INDEPENDENT NS, ALB, JAN 89, HGMA, PRC–03–05–01



LAT 90S TO 90N	WTD MEAN=	26.0	SD=	5.0	MAX=	39.40
LAT 0 TO 90N	WTD MEAN=	24.4	SD=	5.2	LAT=	−55.00
LAT 0 TO 50N	WTD MEAN=	24.4	SD=	5.2		
LAT 90S TO 0	WTD MEAN=	26.7	SD=	4.9	MIN=	22.10
LAT 50S TO 0	WTD MEAN=	25.0	SD=	5.1	LAT=	−25.00
LAT 50S TO 50N	WTD MEAN=	24.8	SD=	5.2		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

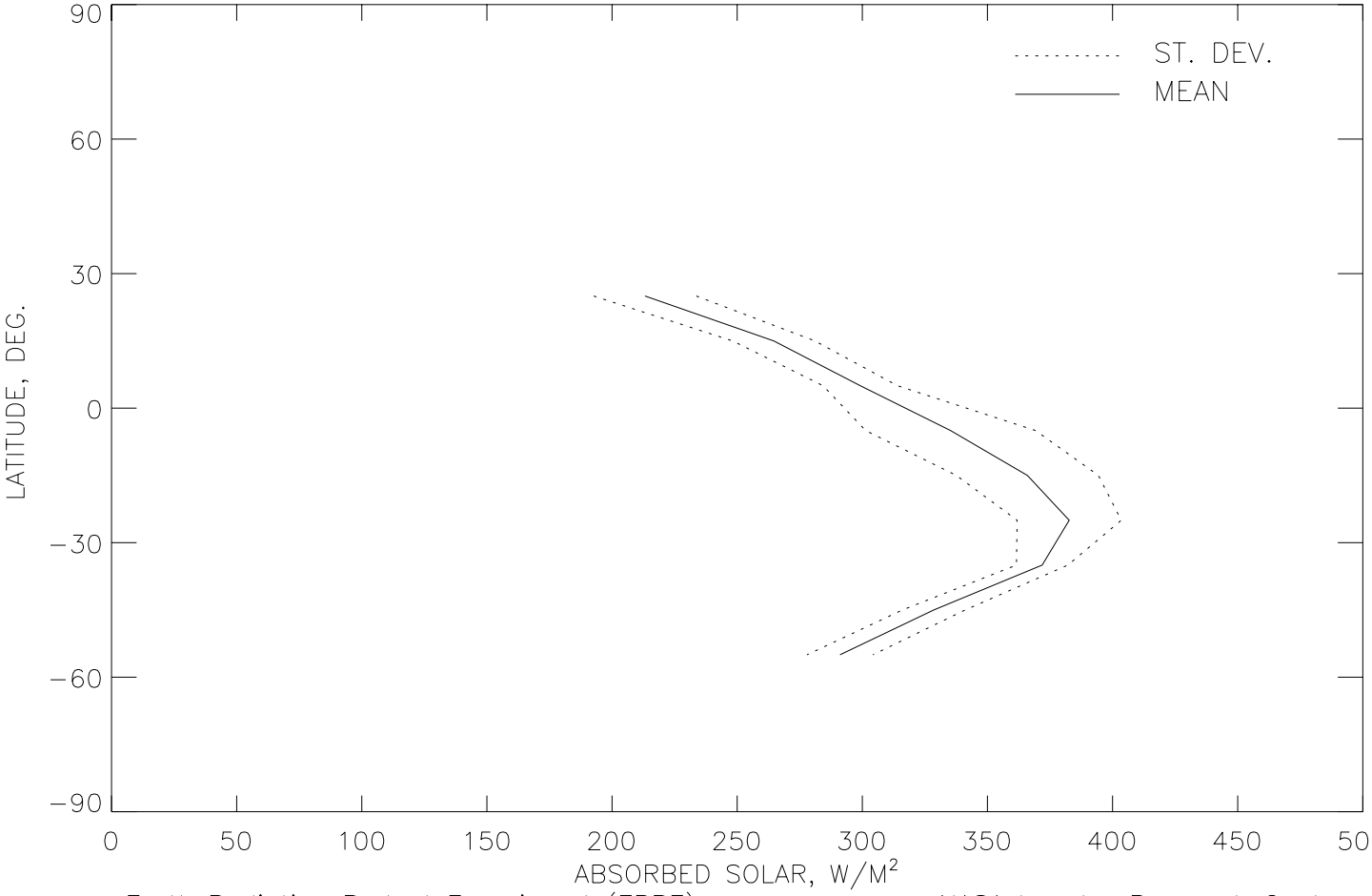
NET RADIATION



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, JAN 89, HGMA, PRC–03–05–01

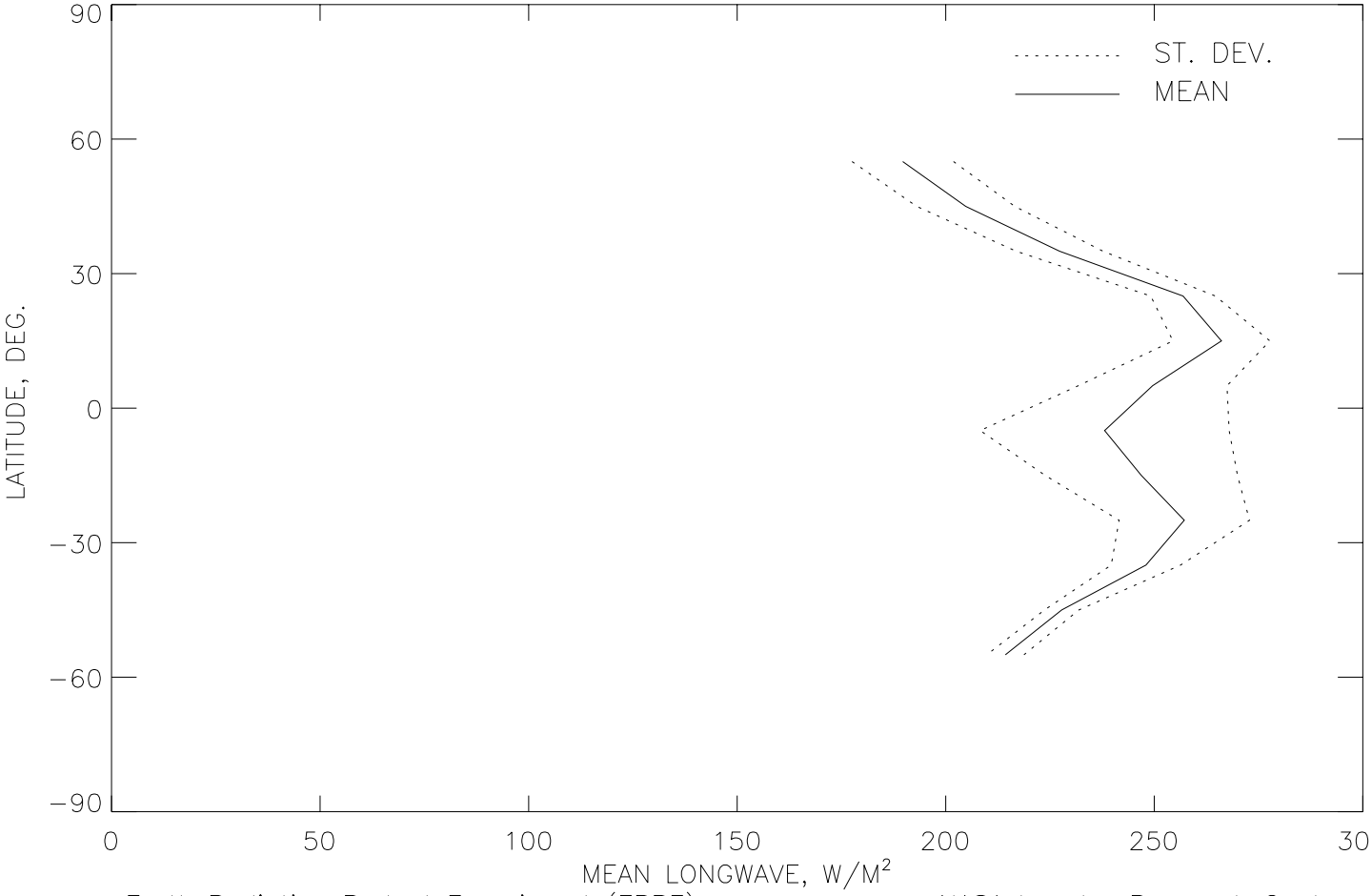


LAT 90S TO 90N WTD MEAN= 317.1 SD= 21.1 MAX= 382.68
LAT 0 TO 90N WTD MEAN= 260.4 SD= 17.3 LAT= −25.00
LAT 0 TO 50N WTD MEAN= 260.4 SD= 17.3
LAT 90S TO 0 WTD MEAN= 349.9 SD= 22.9 MIN= 213.18
LAT 50S TO 0 WTD MEAN= 357.5 SD= 23.9 LAT= 25.00
LAT 50S TO 50N WTD MEAN= 319.2 SD= 21.6

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

LONGWAVE

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, LW, JAN 89, HGMA, PRC–03–05–01

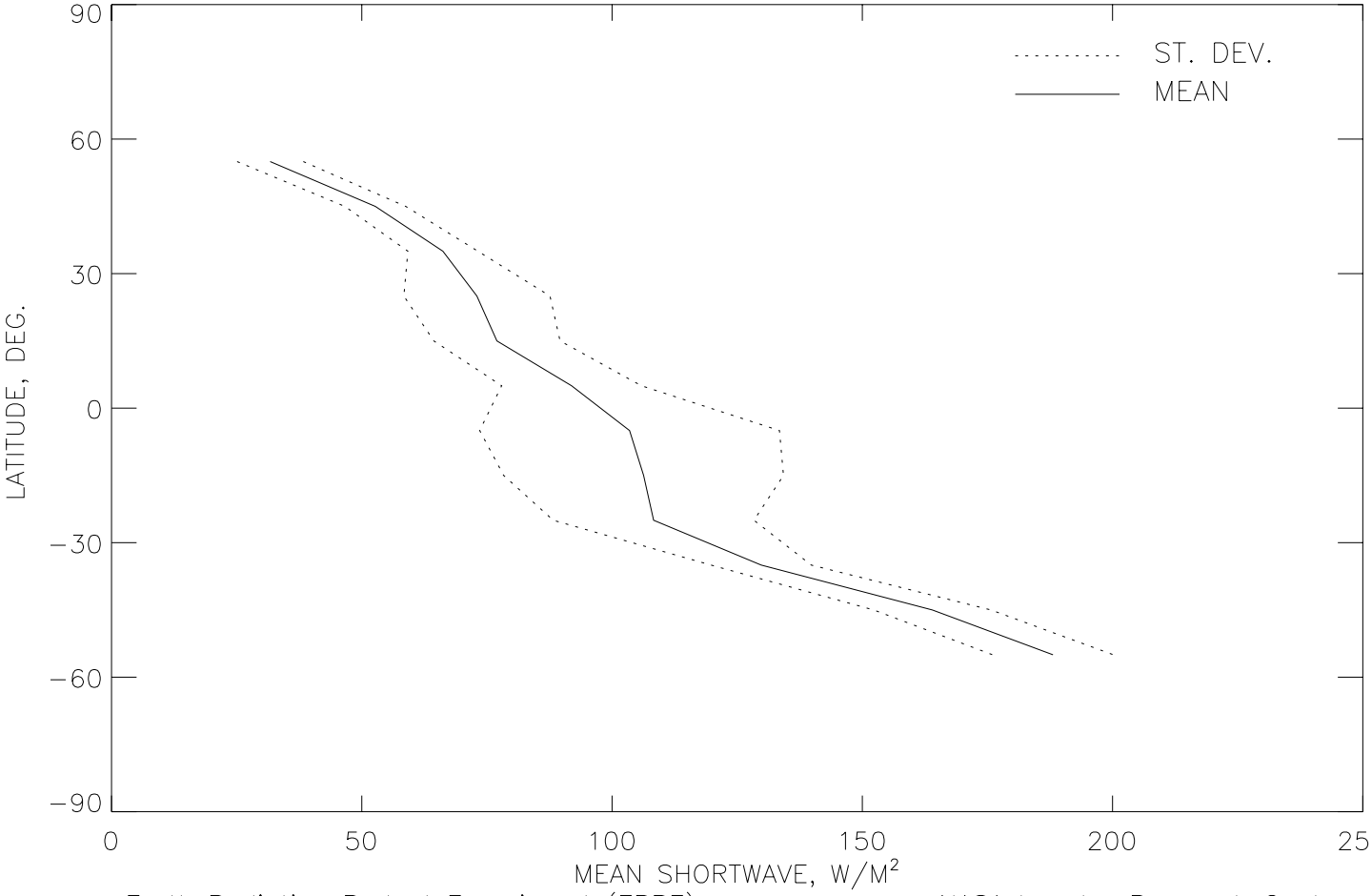


LAT 90S	TO 90N	WTD	MEAN=	238.9	SD=	15.8	MAX=	266.10
LAT 0	TO 90N	WTD	MEAN=	237.2	SD=	12.5	LAT=	15.00
LAT 0	TO 50N	WTD	MEAN=	243.4	SD=	12.5		
LAT 90S	TO 0	WTD	MEAN=	240.7	SD=	18.5	MIN=	189.70
LAT 50S	TO 0	WTD	MEAN=	244.2	SD=	19.6	LAT=	55.00
LAT 50S	TO 50N	WTD	MEAN=	243.8	SD=	16.5		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, SW, JAN 89, HGMA, PRC–03–05–01

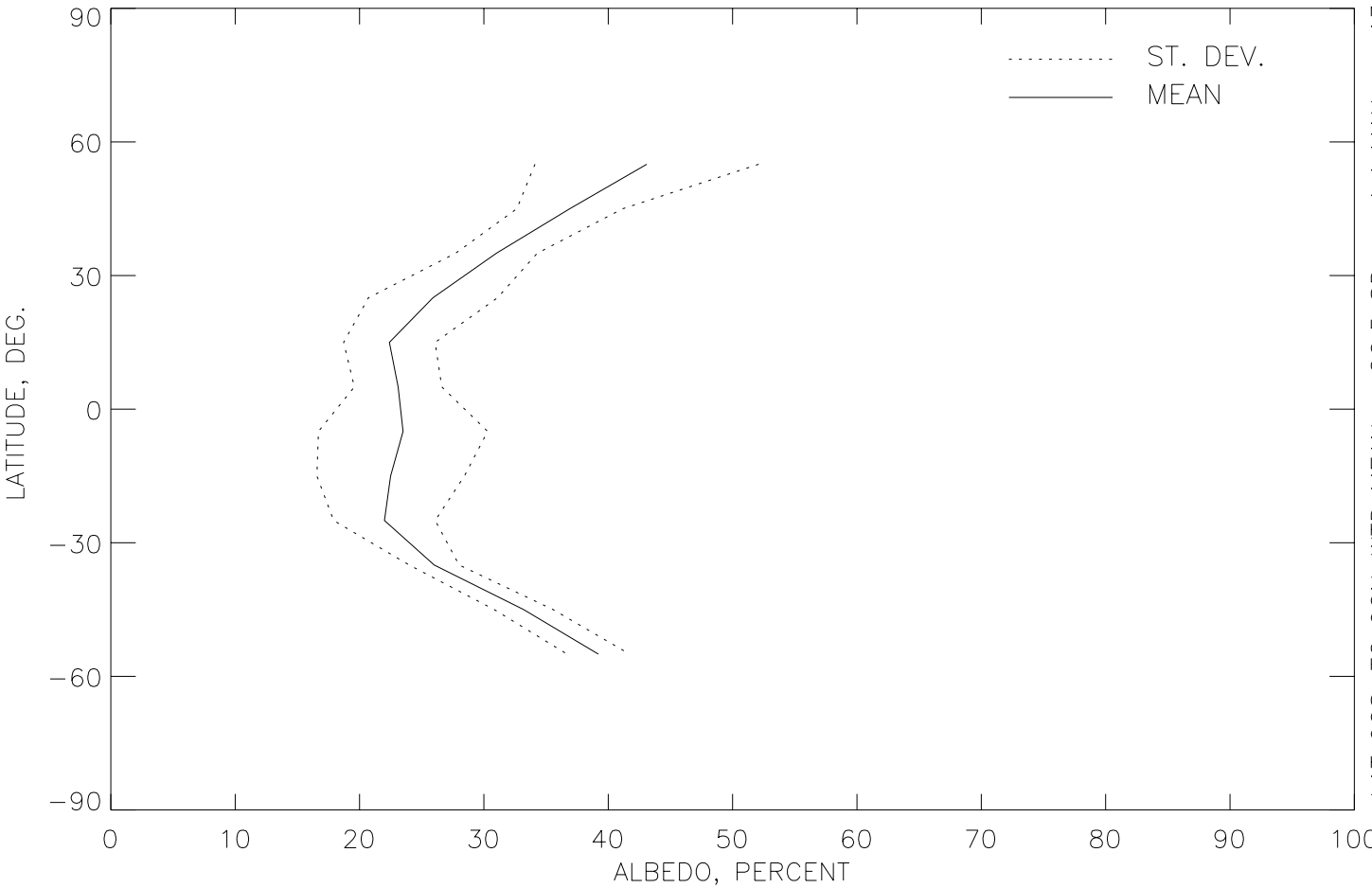


LAT 90S TO 90N	WTD MEAN=	91.8	SD=	16.5	MAX=	188.10	
LAT 0 TO 90N	WTD MEAN=	68.8	SD=	11.3	LAT=	−55.00	
LAT 0 TO 50N	WTD MEAN=	73.6	SD=	11.8			
LAT 90S TO 0	WTD MEAN=	127.6	SD=	21.4	MIN=	31.70	
LAT 50S TO 0	WTD MEAN=	119.7	SD=	22.3	LAT=	55.00	
LAT 50S TO 50N	WTD MEAN=	96.7	SD=	17.8			

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

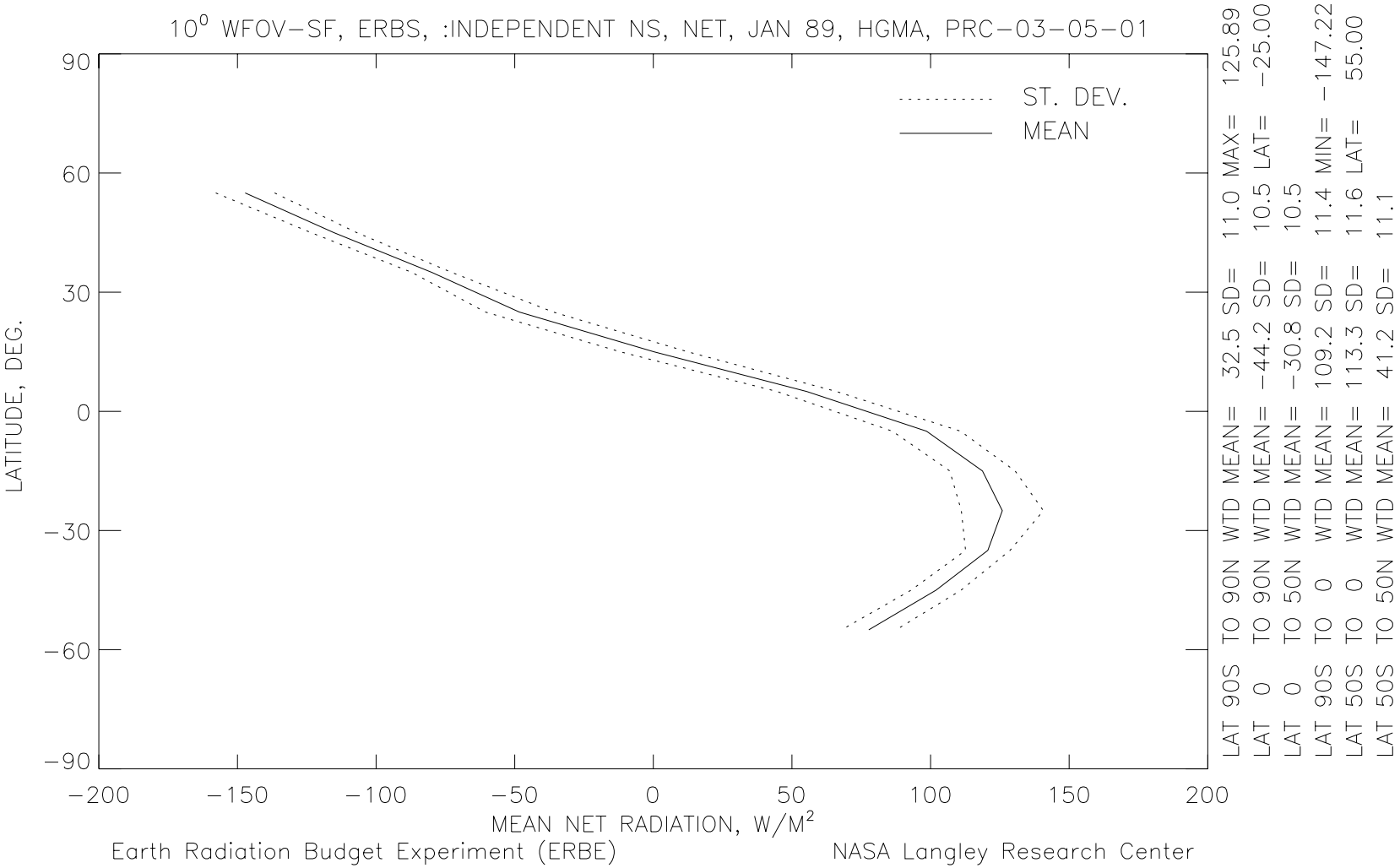
10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ALB, JAN 89, HGMA, PRC–03–05–01



LAT 90S TO 90N	WTD MEAN=	26.5	SD=	4.4	MAX=	43.10
LAT 0 TO 90N	WTD MEAN=	26.3	SD=	4.2	LAT=	55.00
LAT 0 TO 50N	WTD MEAN=	25.7	SD=	4.0		
LAT 90S TO 0	WTD MEAN=	26.7	SD=	4.5	MIN=	22.00
LAT 50S TO 0	WTD MEAN=	25.1	SD=	4.8	LAT=	−25.00
LAT 50S TO 50N	WTD MEAN=	25.3	SD=	4.5		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

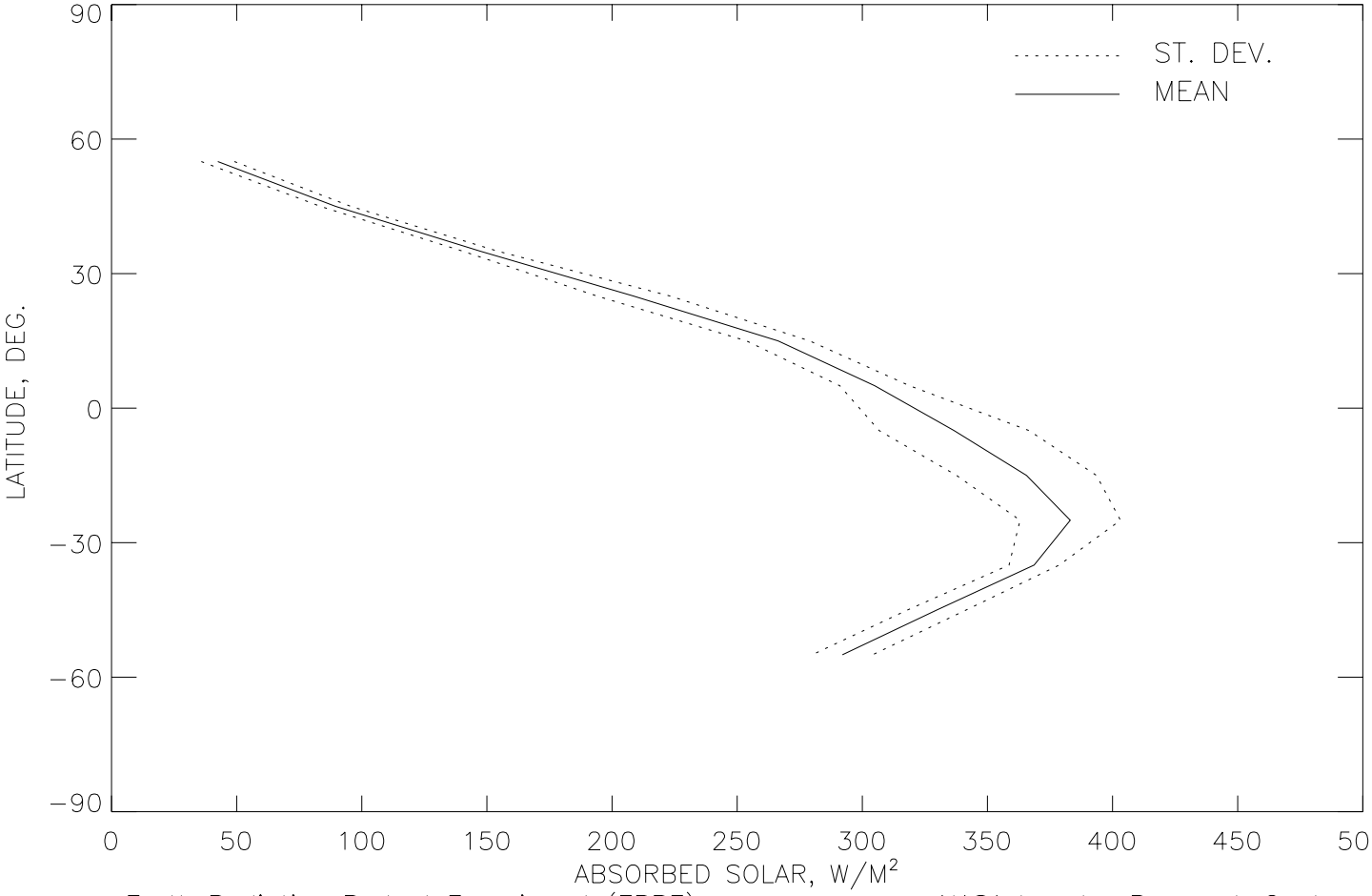
NET RADIATION



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ABSR, JAN 89, HGMA, PRC–03–05–01



LAT 90S	TO 90N	WTD	MEAN=	271.4	SD=	17.1	MAX=	383.09
LAT 0	TO 90N	WTD	MEAN=	192.9	SD=	11.3	LAT=	−25.00
LAT 0	TO 50N	WTD	MEAN=	212.6	SD=	11.8		
LAT 90S	TO 0	WTD	MEAN=	349.9	SD=	21.4	MIN=	42.48
LAT 50S	TO 0	WTD	MEAN=	357.5	SD=	22.3	LAT=	55.00
LAT 50S	TO 50N	WTD	MEAN=	285.0	SD=	17.8		

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