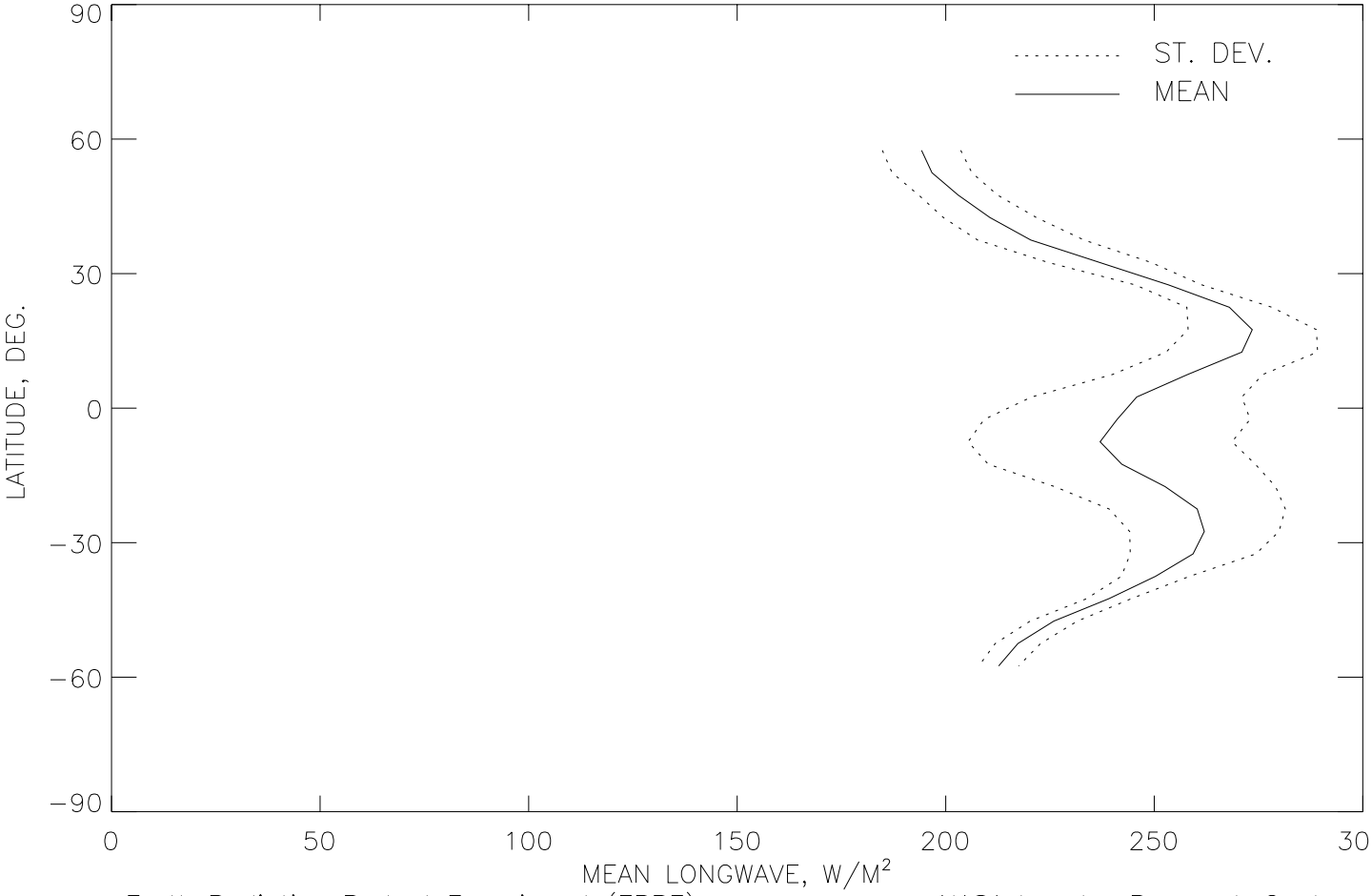
LONGWAVE

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, LW, FEB 99, HGMA, PRC–03–28–01



LAT 90S TO 90N WTD MEAN= 242.2 SD= 18.6 MAX= 273.50
LAT 0 TO 90N WTD MEAN= 240.8 SD= 14.8 LAT= 17.50
LAT 0 TO 50N WTD MEAN= 246.7 SD= 15.3
LAT 90S TO 0 WTD MEAN= 243.7 SD= 21.7 MIN= 194.20
LAT 50S TO 0 WTD MEAN= 247.4 SD= 23.0 LAT= 57.50
LAT 50S TO 50N WTD MEAN= 247.0 SD= 19.6

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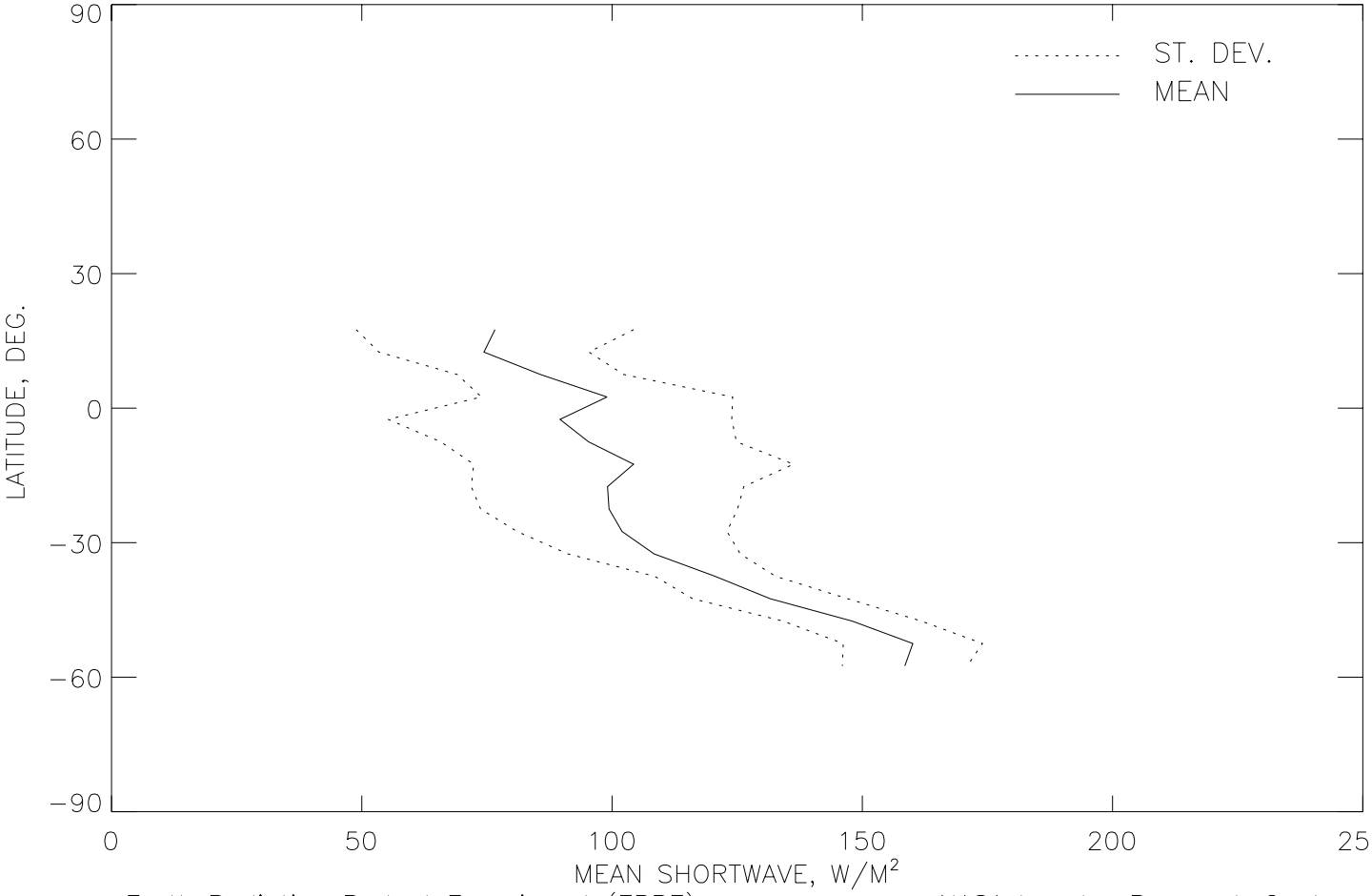
SHORTWAVE

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, FEB 99, HGMA, PRC–03–28–01



LAT 90S	TO 90N	WTD	MEAN=	105.4	SD=	23.6	MAX=	160.10
LAT 0	TO 90N	WTD	MEAN=	84.1	SD=	23.0	LAT=	−52.50
LAT 0	TO 50N	WTD	MEAN=	84.1	SD=	23.0		
LAT 90S	TO 0	WTD	MEAN=	113.8	SD=	23.8	MIN=	74.40
LAT 50S	TO 0	WTD	MEAN=	107.8	SD=	24.8	LAT=	12.50
LAT 50S	TO 50N	WTD	MEAN=	100.5	SD=	24.3		

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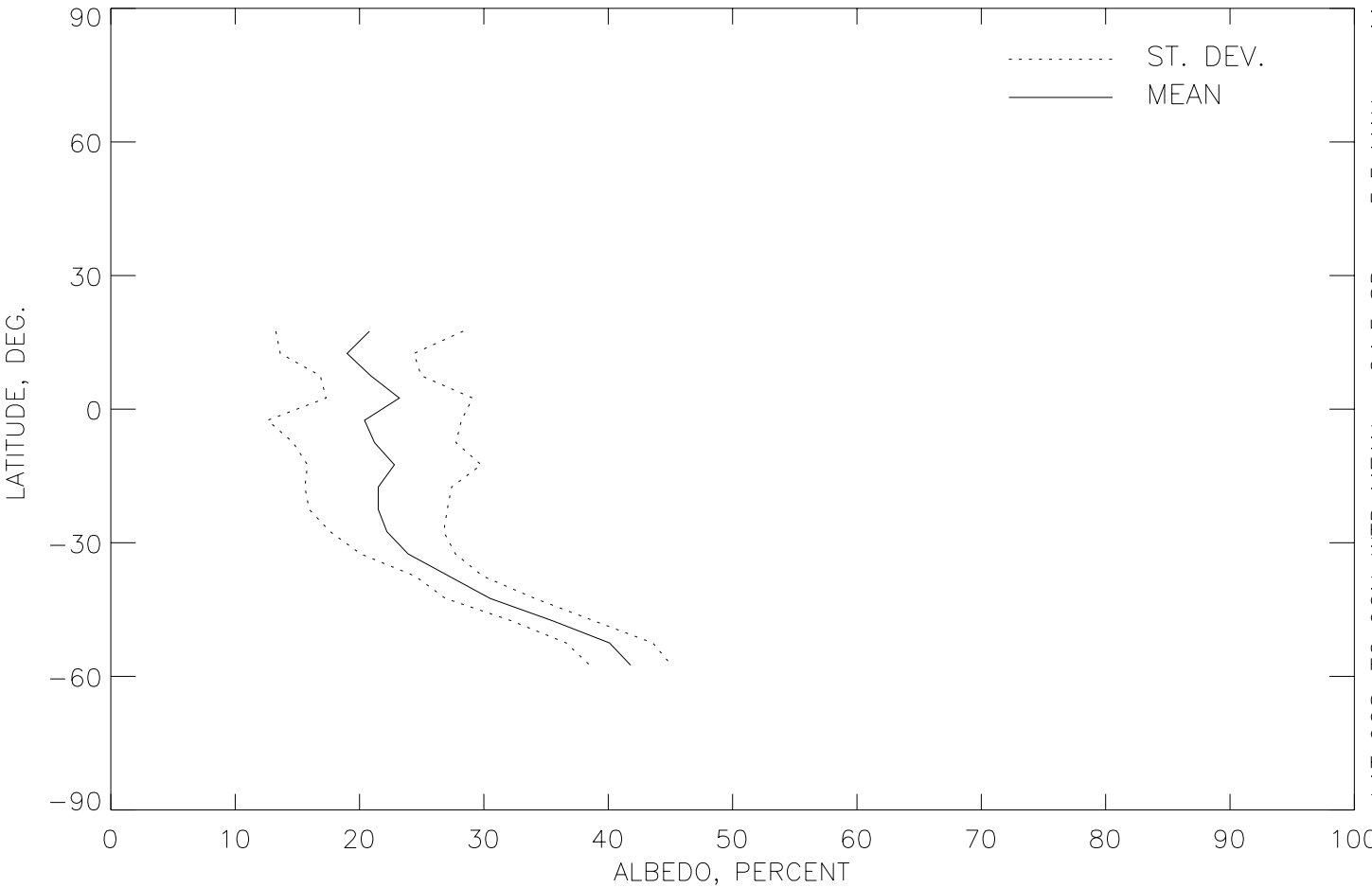
ALBEDO

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, ALB, FEB 99, HGMA, PRC–03–28–01



LAT 90S TO 90N WTD MEAN= 24.5 SD= 5.5 MAX= 41.80
LAT 0 TO 90N WTD MEAN= 21.0 SD= 5.8 LAT= −57.50
LAT 0 TO 50N WTD MEAN= 21.0 SD= 5.8
LAT 90S TO 0 WTD MEAN= 25.7 SD= 5.3 MIN= 19.00
LAT 50S TO 0 WTD MEAN= 24.0 SD= 5.5 LAT= 12.50
LAT 50S TO 50N WTD MEAN= 23.2 SD= 5.6

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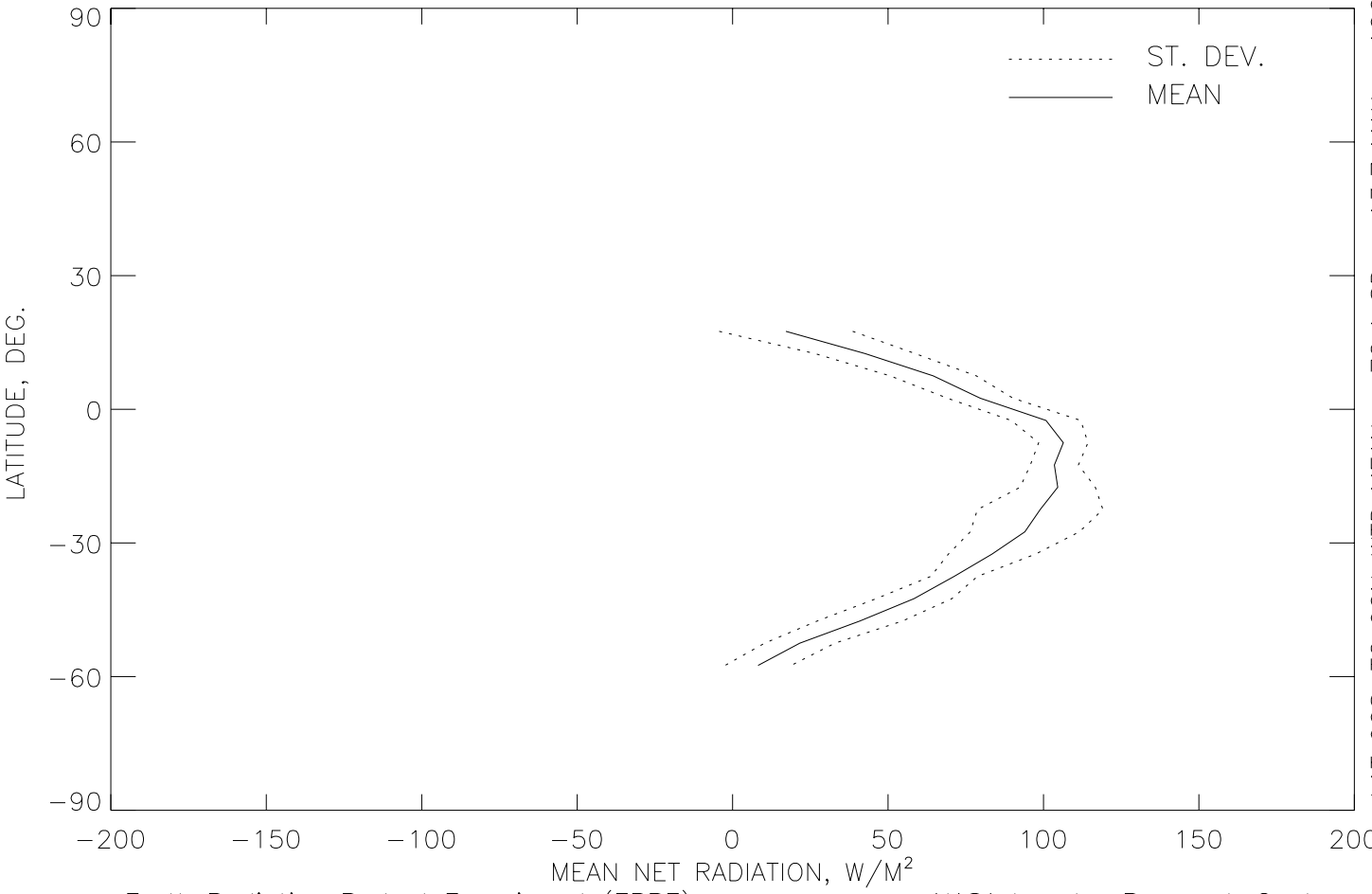
NET RADIATION

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, NET, FEB 99, HGMA, PRC–03–28–01

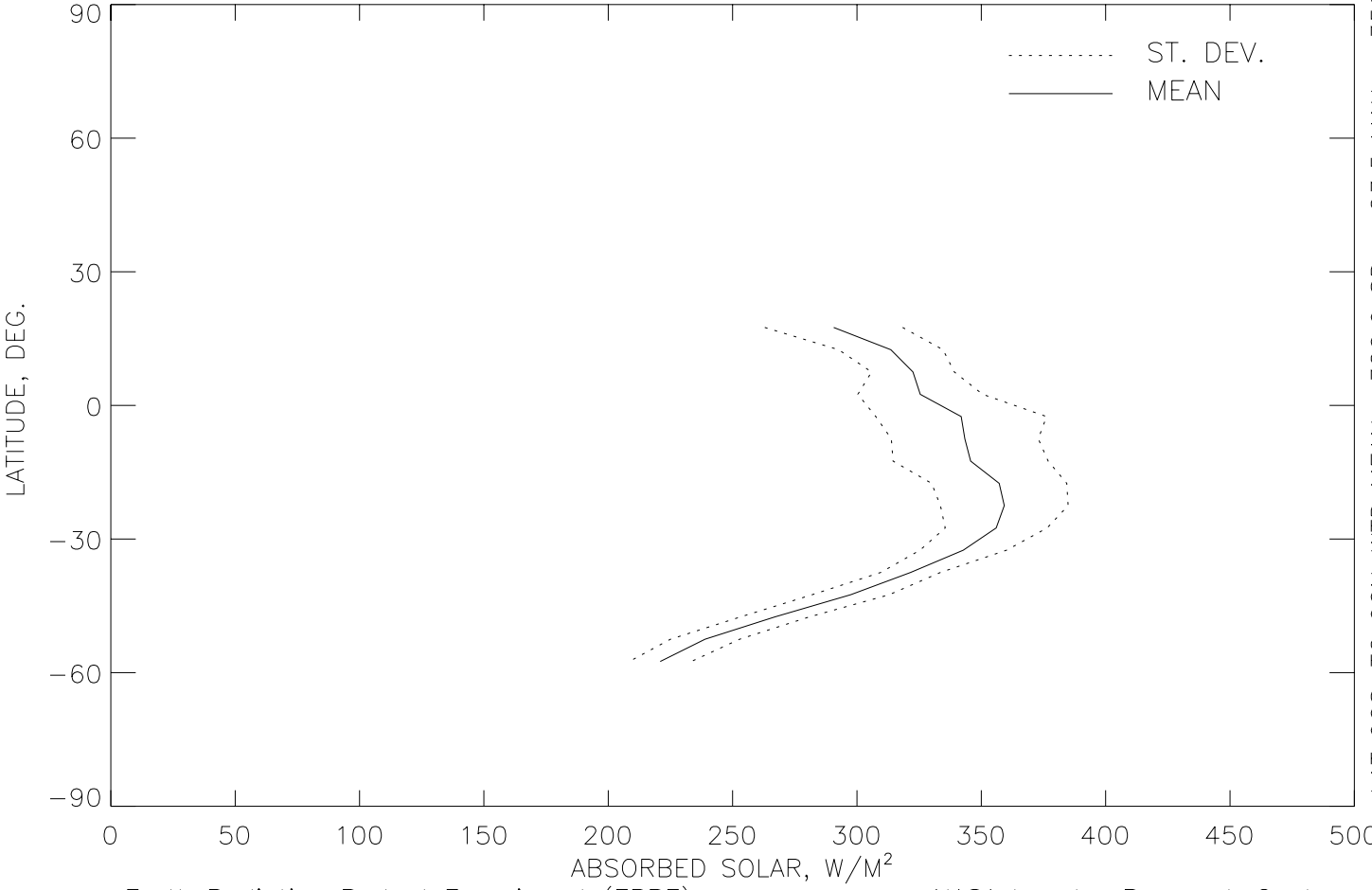


LAT 90S TO 90N	WTD MEAN=	72.1	SD=	13.7	MAX=	106.38
LAT 0 TO 90N	WTD MEAN=	51.4	SD=	15.9	LAT=	−7.50
LAT 0 TO 50N	WTD MEAN=	51.4	SD=	15.9		
LAT 90S TO 0	WTD MEAN=	80.3	SD=	12.8	MIN=	8.20
LAT 50S TO 0	WTD MEAN=	88.8	SD=	13.0	LAT=	−57.50
LAT 50S TO 50N	WTD MEAN=	77.2	SD=	14.0		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

5^0 WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, FEB 99, HGMA, PRC–03–28–01

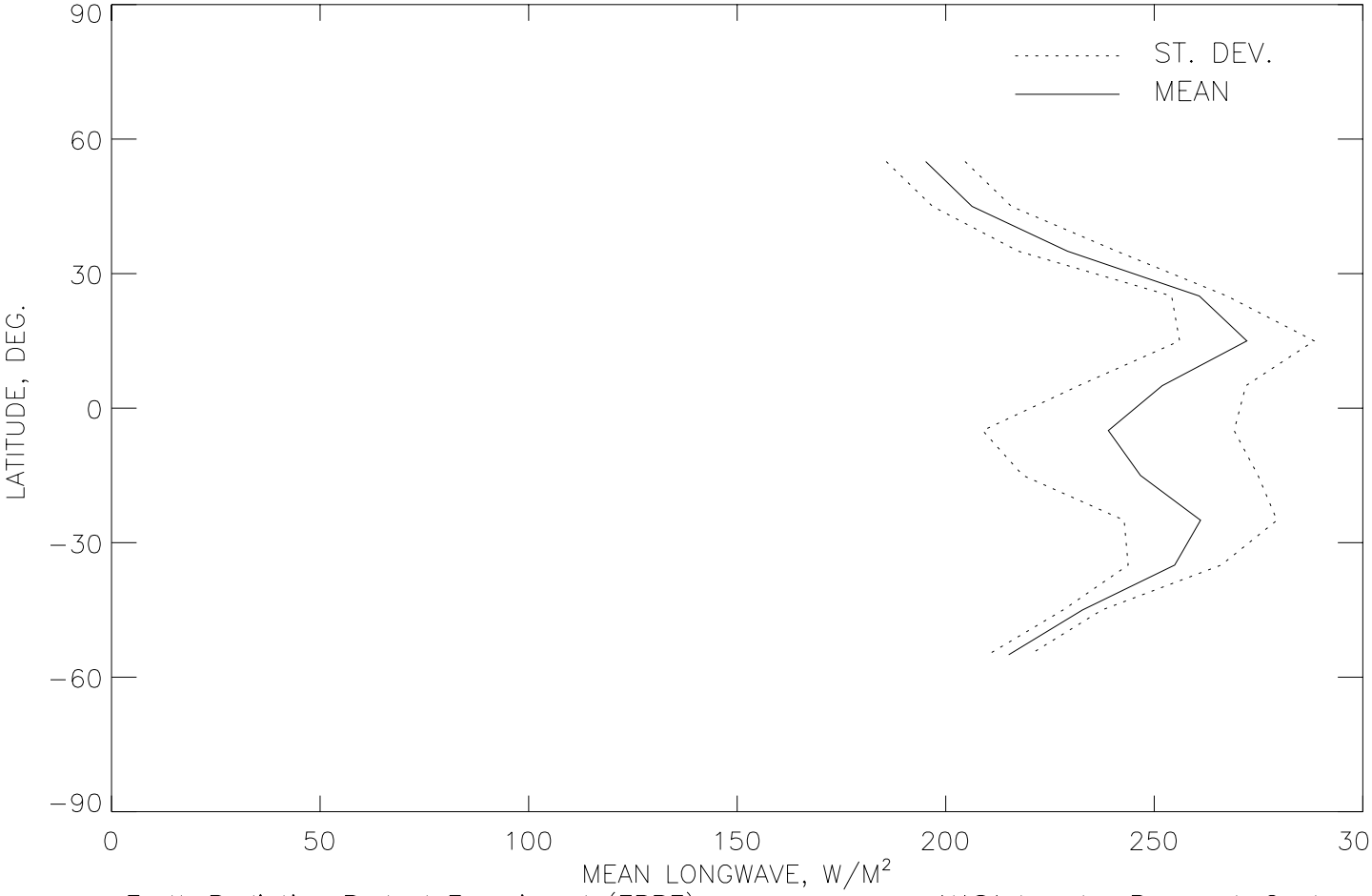


LAT 90S TO 90N WTD MEAN= 320.9 SD= 23.5 MAX= 359.24
LAT 0 TO 90N WTD MEAN= 313.3 SD= 23.0 LAT= −22.50
LAT 0 TO 50N WTD MEAN= 313.3 SD= 23.0
LAT 90S TO 0 WTD MEAN= 323.9 SD= 23.7 MIN= 220.90
LAT 50S TO 0 WTD MEAN= 336.1 SD= 24.7 LAT= −57.50
LAT 50S TO 50N WTD MEAN= 329.1 SD= 24.2

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

LONGWAVE

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, LW, FEB 99, HGMA, PRC–03–28–01

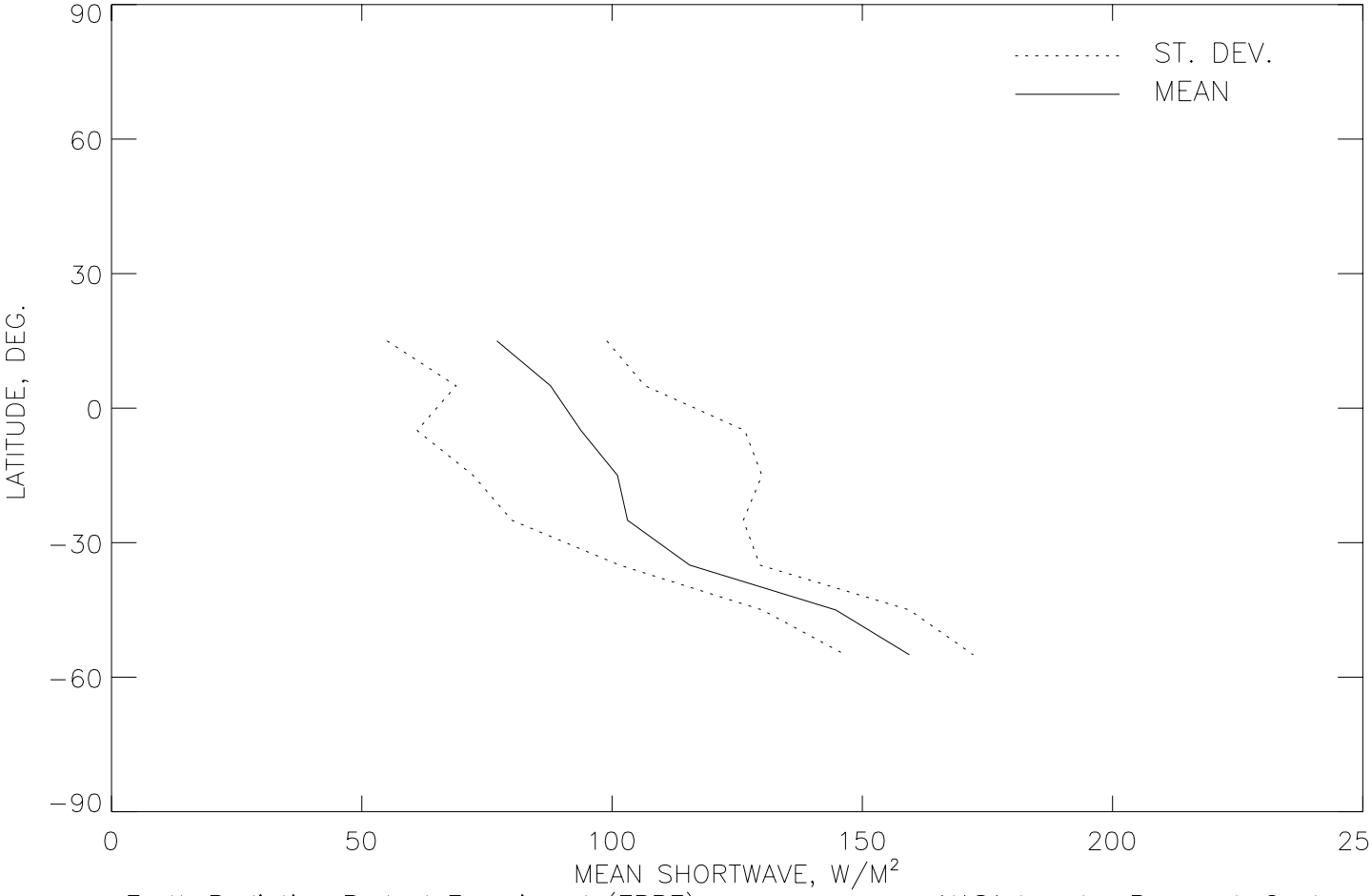


LAT 90S TO 90N	WTD MEAN= 242.1	SD= 17.5	MAX= 272.20				
LAT 0 TO 90N	WTD MEAN= 240.7	SD= 13.6	LAT= 15.00				
LAT 0 TO 50N	WTD MEAN= 246.6	SD= 14.1					
LAT 90S TO 0	WTD MEAN= 243.5	SD= 20.6	MIN= 195.20				
LAT 50S TO 0	WTD MEAN= 247.2	SD= 21.8	LAT= 55.00				
LAT 50S TO 50N	WTD MEAN= 246.9	SD= 18.4					

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, SW, FEB 99, HGMA, PRC–03–28–01

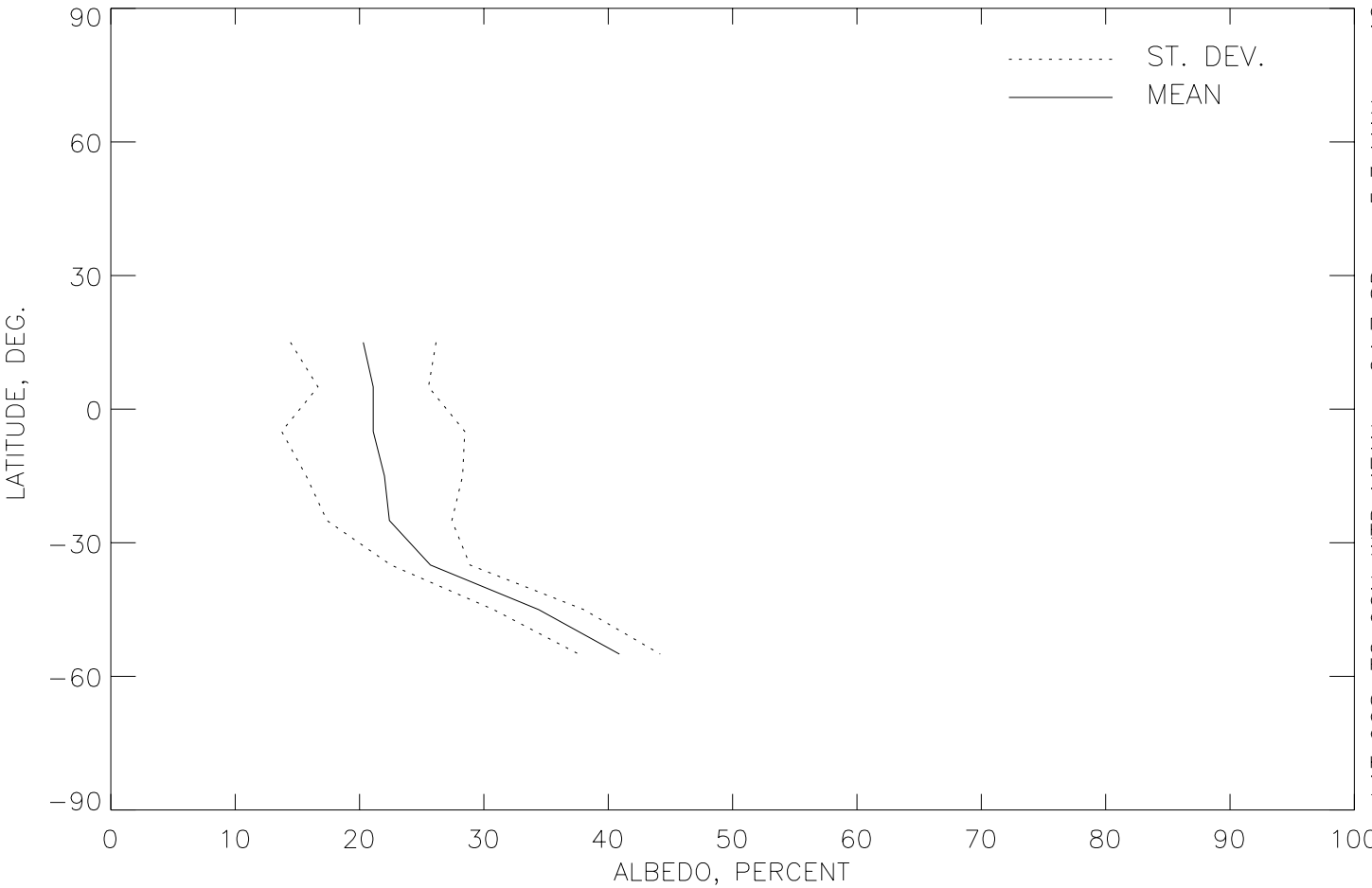


LAT 90S TO 90N	WTD MEAN= 106.0	SD= 22.7	MAX= 159.40					
LAT 0 TO 90N	WTD MEAN= 82.4	SD= 20.4	LAT= −55.00					
LAT 0 TO 50N	WTD MEAN= 82.4	SD= 20.4						
LAT 90S TO 0	WTD MEAN= 115.3	SD= 23.6	MIN= 77.00					
LAT 50S TO 0	WTD MEAN= 109.6	SD= 24.6	LAT= 15.00					
LAT 50S TO 50N	WTD MEAN= 101.2	SD= 23.4						

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

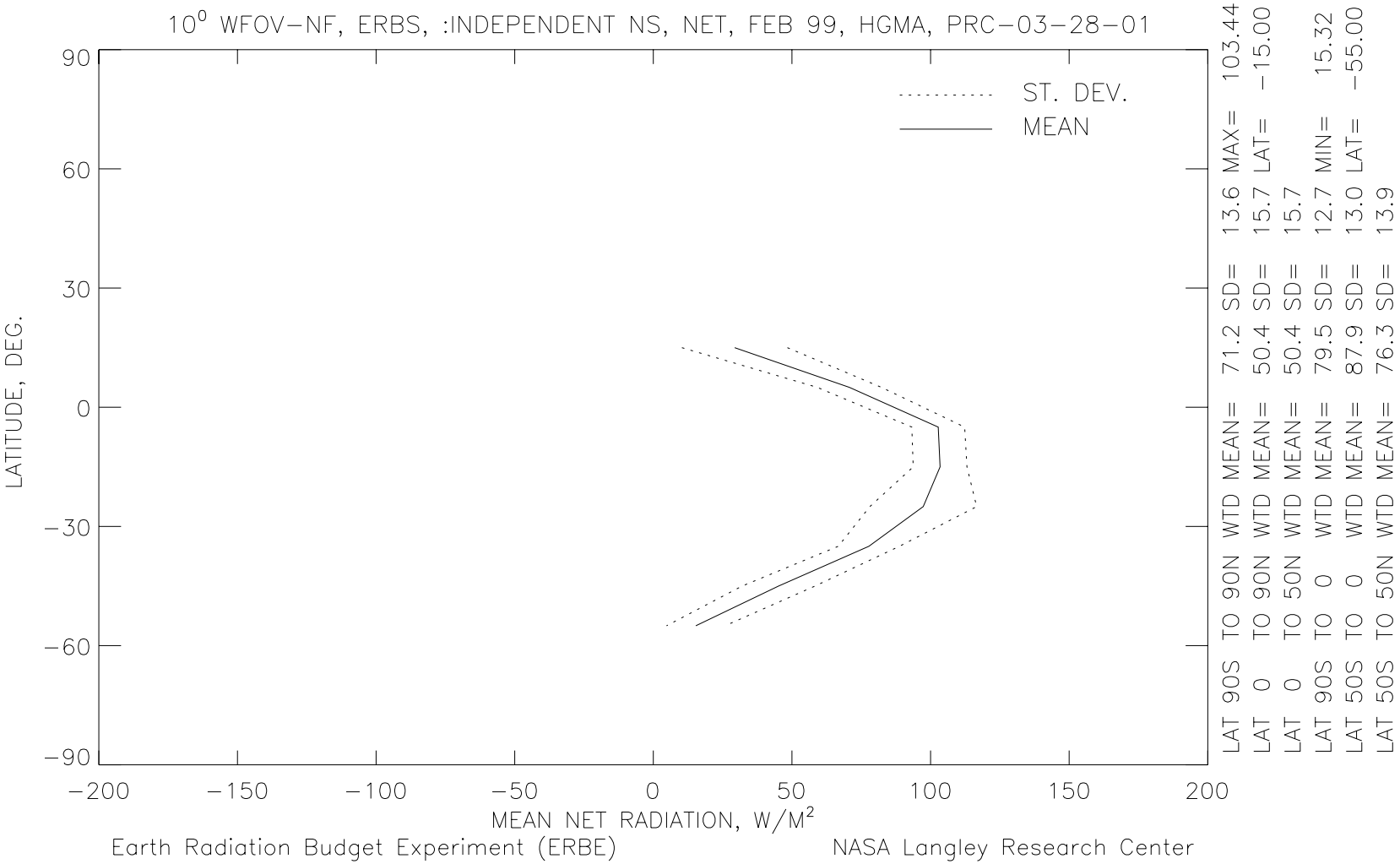
10^0 WFOV–NF, ERBS, :INDEPENDENT NS, ALB, FEB 99, HGMA, PRC–03–28–01



LAT 90S TO 90N	WTD MEAN=	24.7	SD=	5.3	MAX=	40.90
LAT 0 TO 90N	WTD MEAN=	20.7	SD=	5.2	LAT=	−55.00
LAT 0 TO 50N	WTD MEAN=	20.7	SD=	5.2		
LAT 90S TO 0	WTD MEAN=	26.1	SD=	5.3	MIN=	20.30
LAT 50S TO 0	WTD MEAN=	24.4	SD=	5.5	LAT=	15.00
LAT 50S TO 50N	WTD MEAN=	23.4	SD=	5.4		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

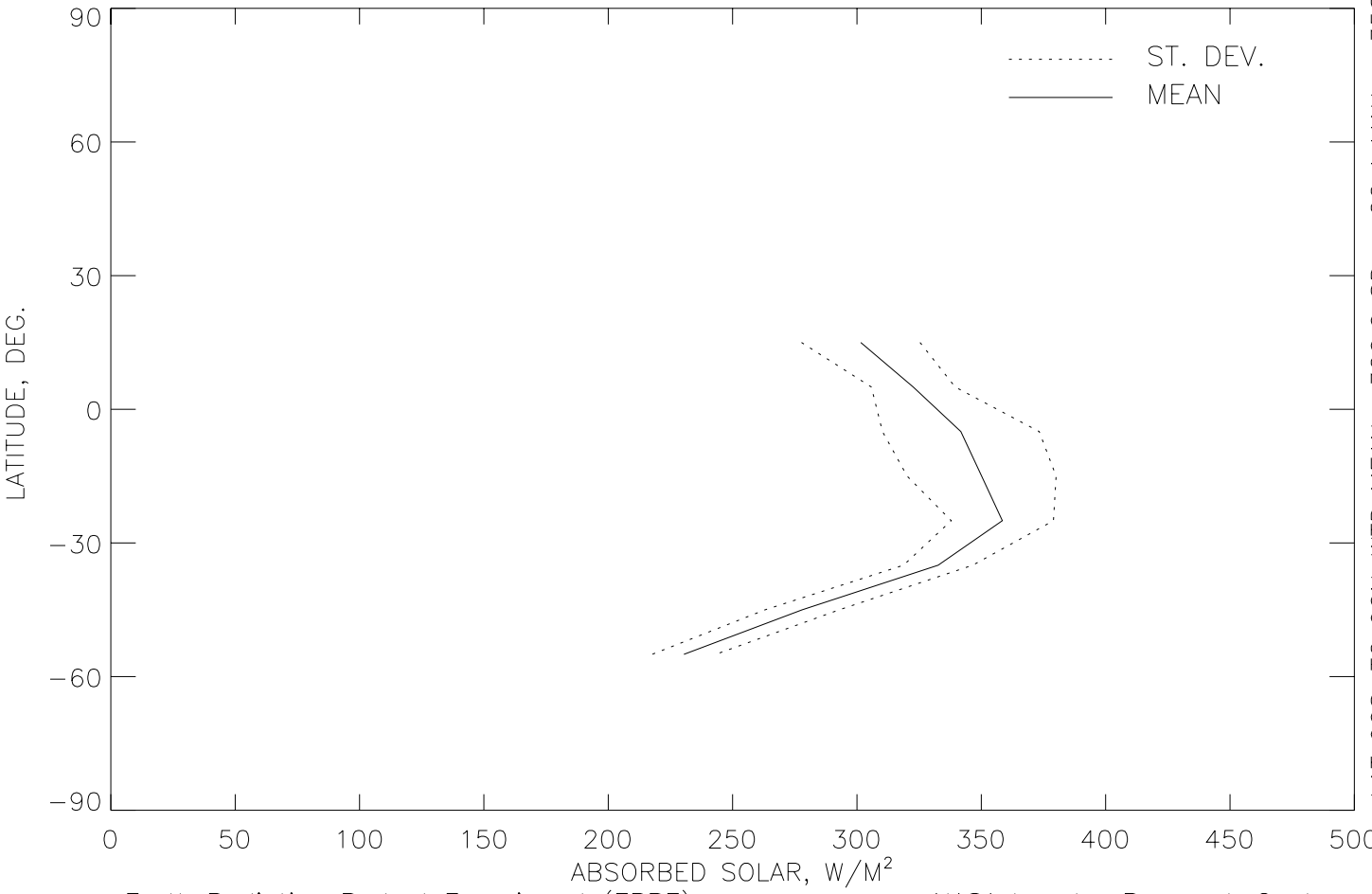
NET RADIATION



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–NF, ERBS, :INDEPENDENT NS, ABSR, FEB 99, HGMA, PRC–03–28–01

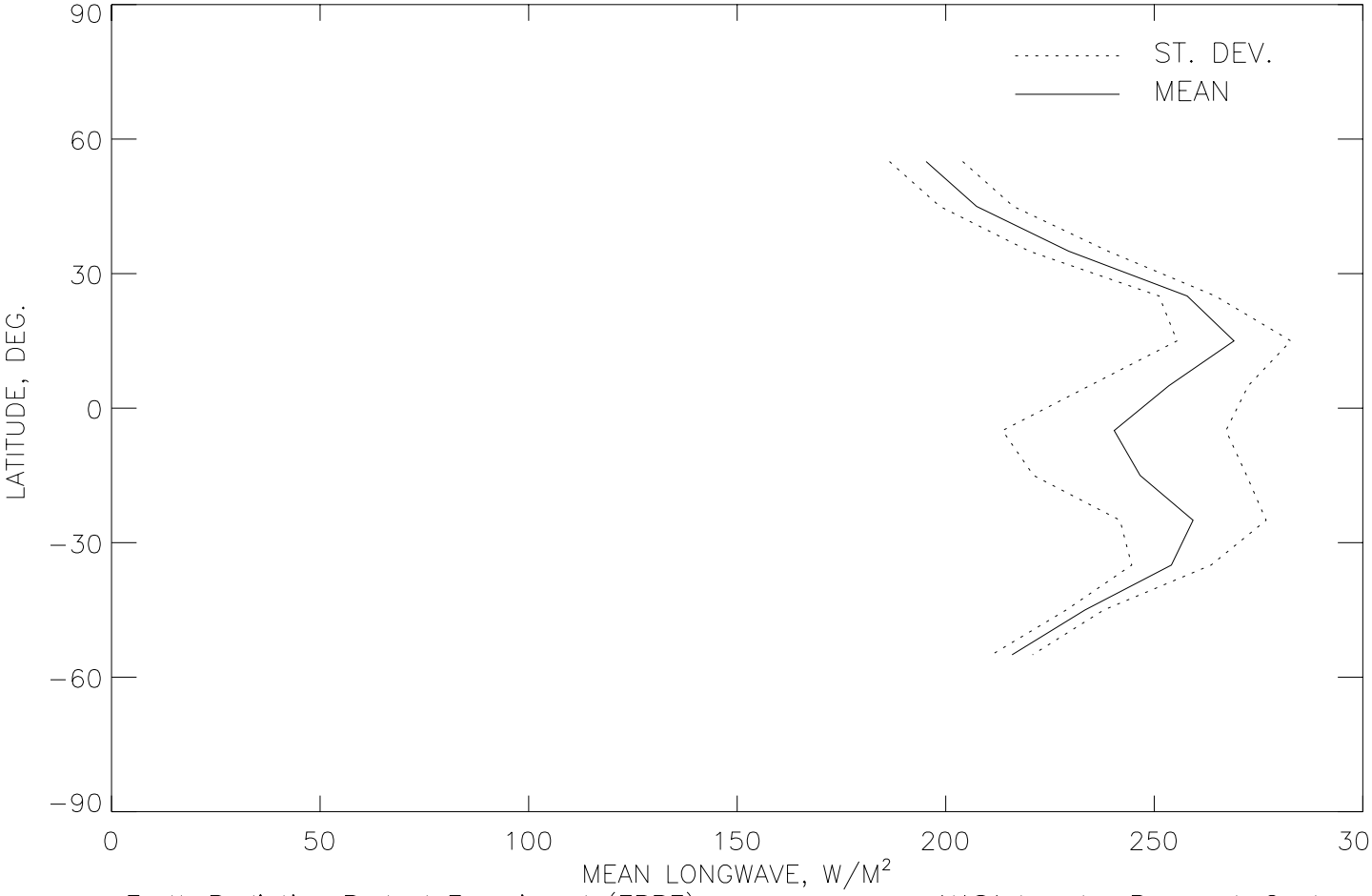


LAT 90S TO 90N WTD MEAN= 320.0 SD= 22.4 MAX= 358.47
LAT 0 TO 90N WTD MEAN= 312.3 SD= 20.6 LAT= −25.00
LAT 0 TO 50N WTD MEAN= 312.3 SD= 20.6
LAT 90S TO 0 WTD MEAN= 323.0 SD= 23.1 MIN= 230.42
LAT 50S TO 0 WTD MEAN= 335.1 SD= 24.1 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 328.0 SD= 23.1

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

LONGWAVE

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, LW, FEB 99, HGMA, PRC–03–28–01

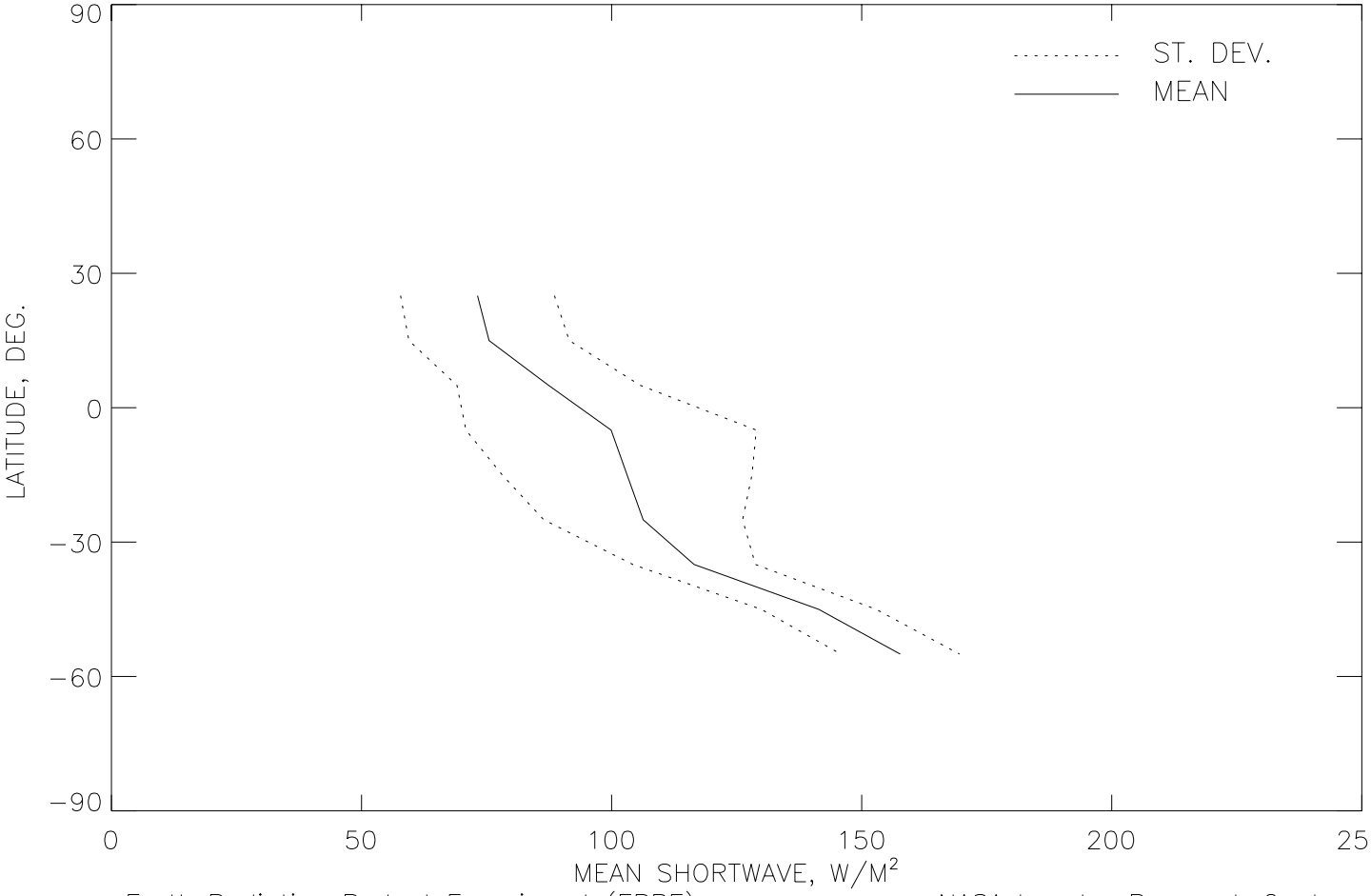


LAT 90S TO 90N	WTD MEAN= 241.8	SD= 15.8	MAX= 269.10				
LAT 0 TO 90N	WTD MEAN= 240.1	SD= 12.3	LAT= 15.00				
LAT 0 TO 50N	WTD MEAN= 245.9	SD= 12.7					
LAT 90S TO 0	WTD MEAN= 243.5	SD= 18.6	MIN= 195.30				
LAT 50S TO 0	WTD MEAN= 247.1	SD= 19.7	LAT= 55.00				
LAT 50S TO 50N	WTD MEAN= 246.5	SD= 16.6					

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

SHORTWAVE

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, SW, FEB 99, HGMA, PRC–03–28–01

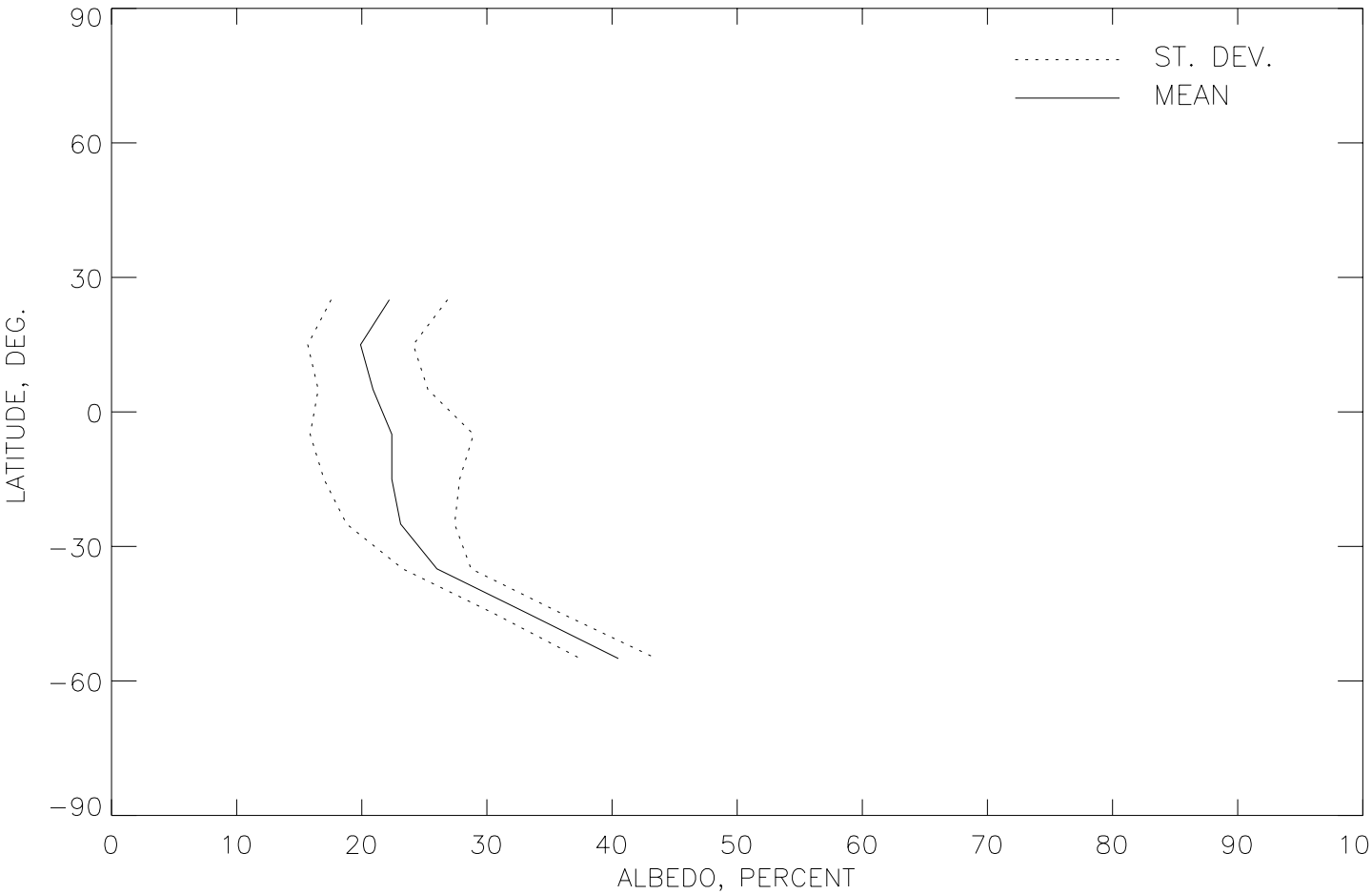


LAT 90S TO 90N	WTD MEAN=	103.1	SD=	19.2	MAX=	157.70
LAT 0 TO 90N	WTD MEAN=	78.9	SD=	16.7	LAT=	−55.00
LAT 0 TO 50N	WTD MEAN=	78.9	SD=	16.7		
LAT 90S TO 0	WTD MEAN=	117.0	SD=	20.5	MIN=	73.20
LAT 50S TO 0	WTD MEAN=	111.7	SD=	21.4	LAT=	25.00
LAT 50S TO 50N	WTD MEAN=	98.7	SD=	19.7		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ALBEDO

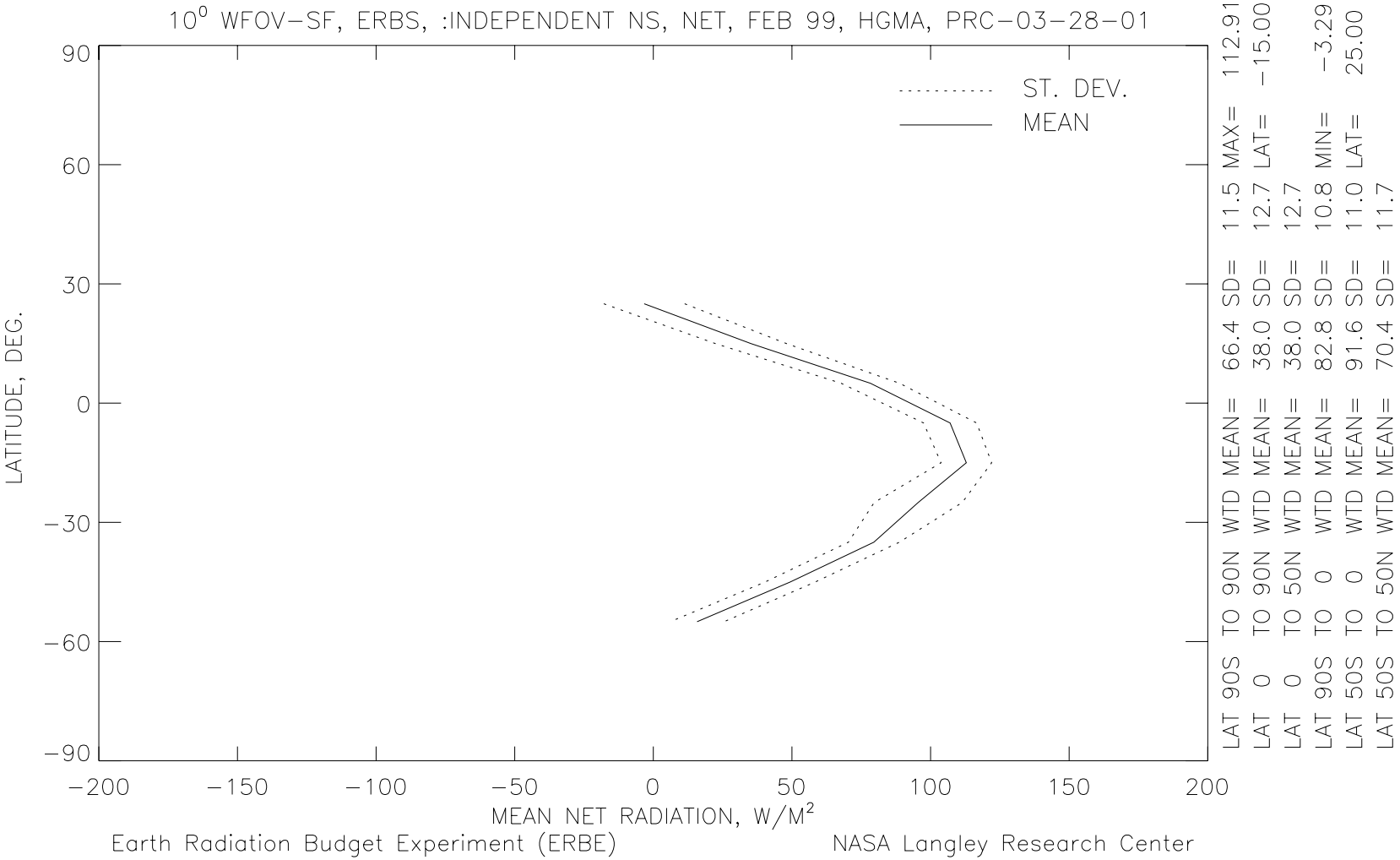
10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ALB, FEB 99, HGMA, PRC–03–28–01



LAT 90S TO 90N	WTD MEAN=	24.6	SD=	4.5	MAX=	40.50
LAT 0 TO 90N	WTD MEAN=	20.9	SD=	4.4	LAT=	−55.00
LAT 0 TO 50N	WTD MEAN=	20.9	SD=	4.4		
LAT 90S TO 0	WTD MEAN=	26.5	SD=	4.6	MIN=	19.90
LAT 50S TO 0	WTD MEAN=	24.9	SD=	4.8	LAT=	15.00
LAT 50S TO 50N	WTD MEAN=	23.5	SD=	4.6		

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

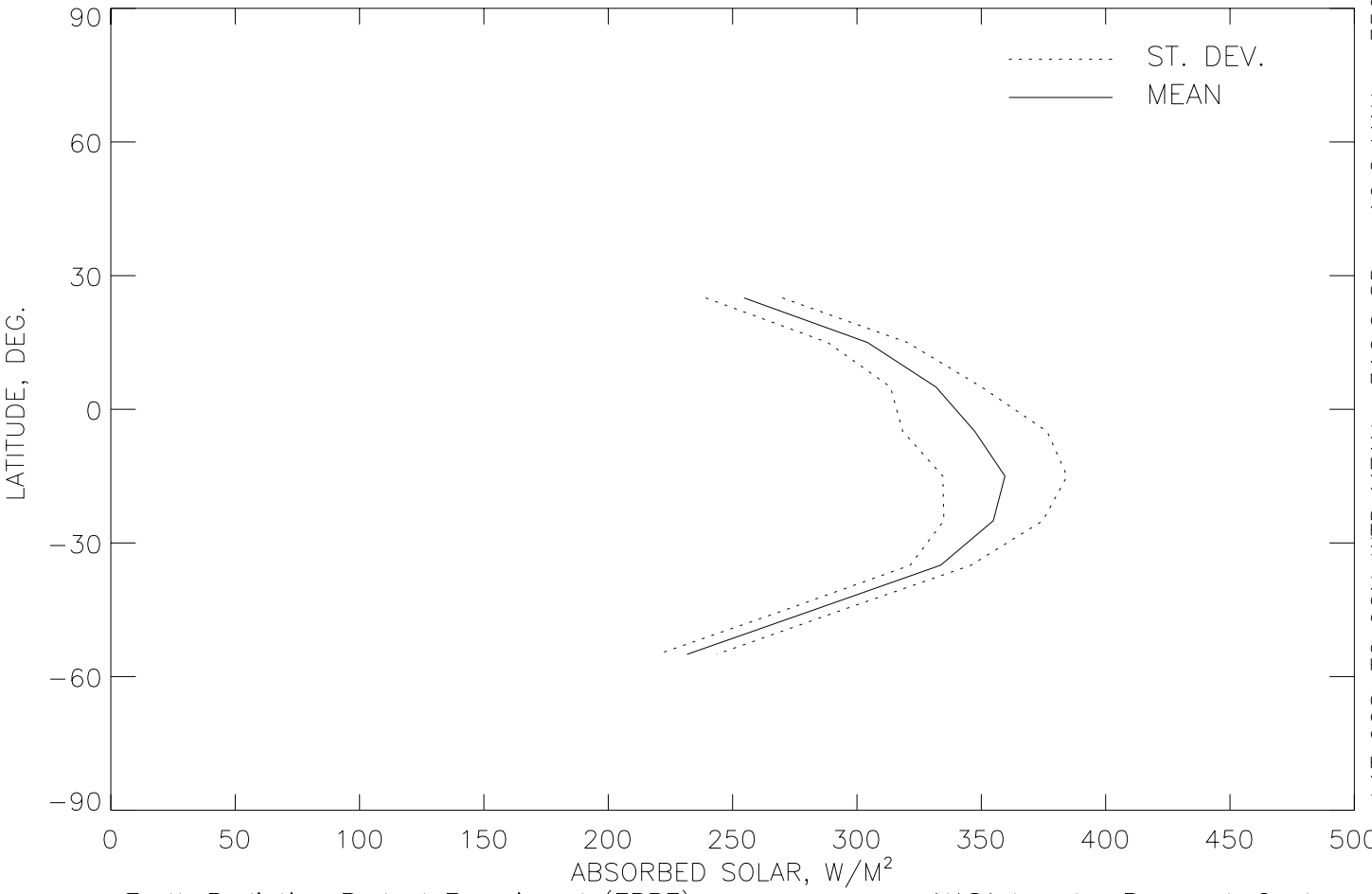
NET RADIATION



Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center

ABSORBED SOLAR

10^0 WFOV–SF, ERBS, :INDEPENDENT NS, ABSR, FEB 99, HGMA, PRC–03–28–01



LAT 90S TO 90N WTD MEAN= 316.0 SD= 19.2 MAX= 359.51
LAT 0 TO 90N WTD MEAN= 298.1 SD= 16.7 LAT= −15.00
LAT 0 TO 50N WTD MEAN= 298.1 SD= 16.7
LAT 90S TO 0 WTD MEAN= 326.3 SD= 20.5 MIN= 231.70
LAT 50S TO 0 WTD MEAN= 338.6 SD= 21.4 LAT= −55.00
LAT 50S TO 50N WTD MEAN= 322.6 SD= 19.7

Earth Radiation Budget Experiment (ERBE) NASA Langley Research Center