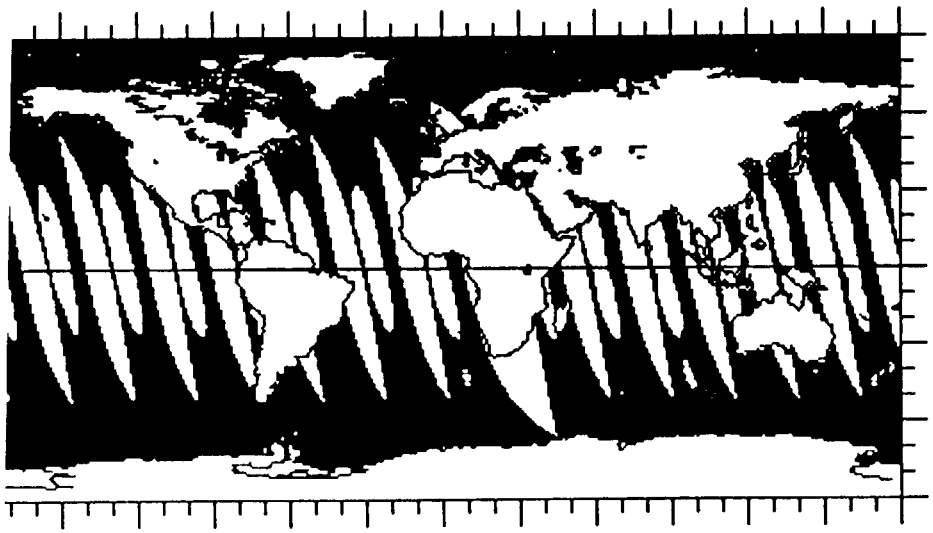
MODIS Science Team Meeting, Oct. 1 - 3, 1991. Attachment OO

DAY 1

MODIS-N PM



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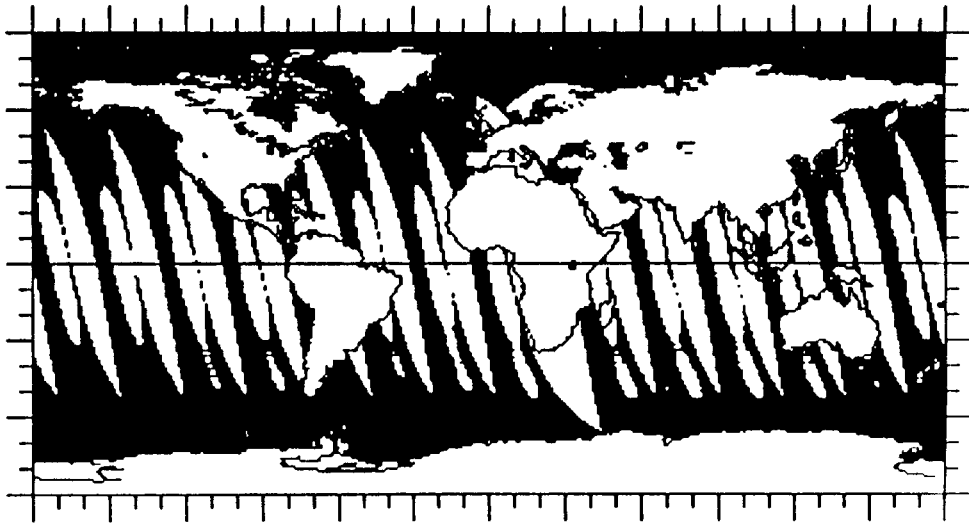

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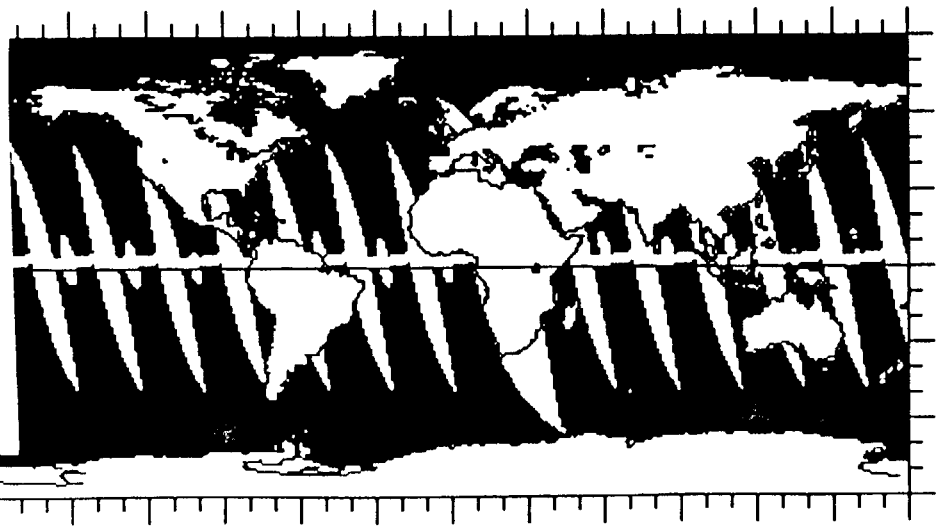

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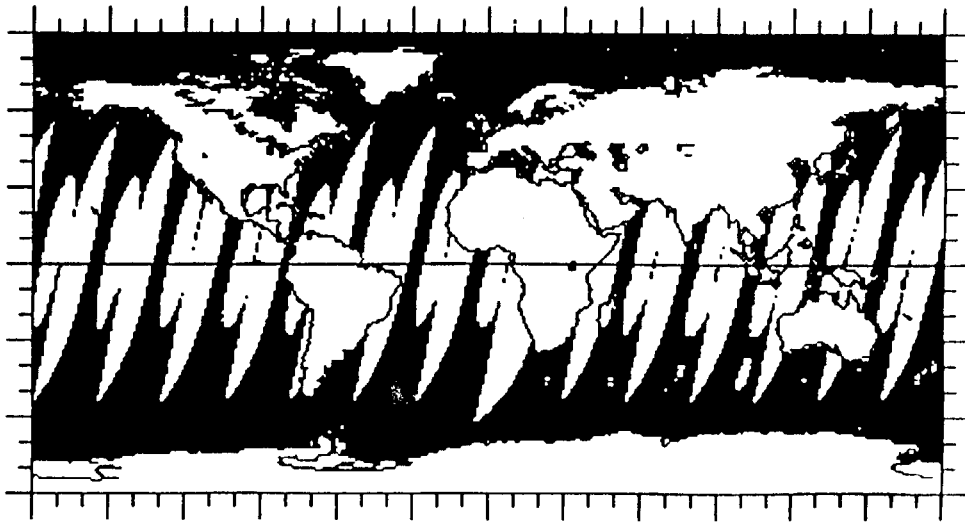

DAY 2

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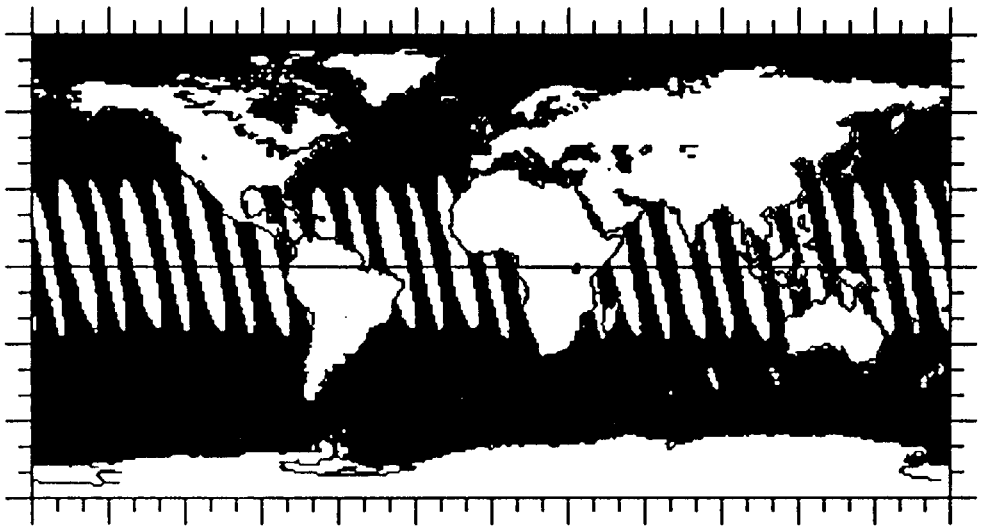

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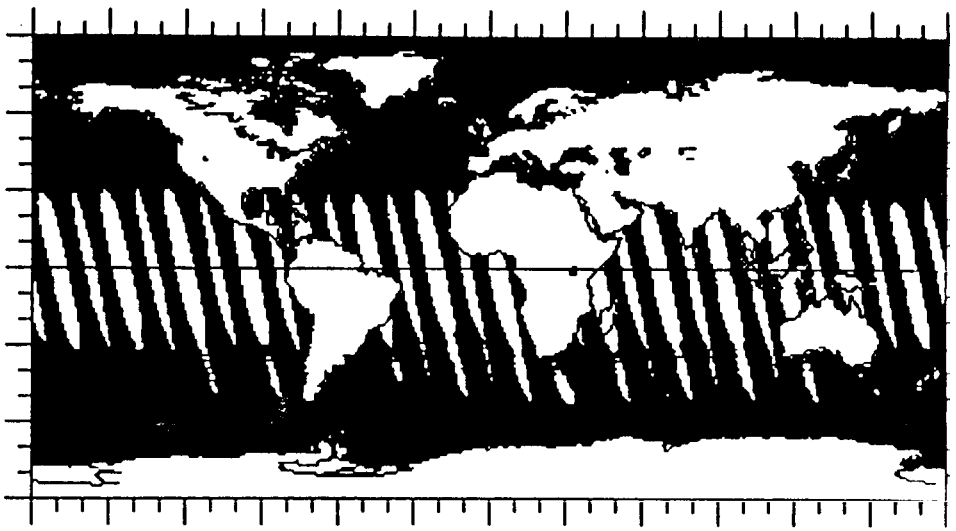

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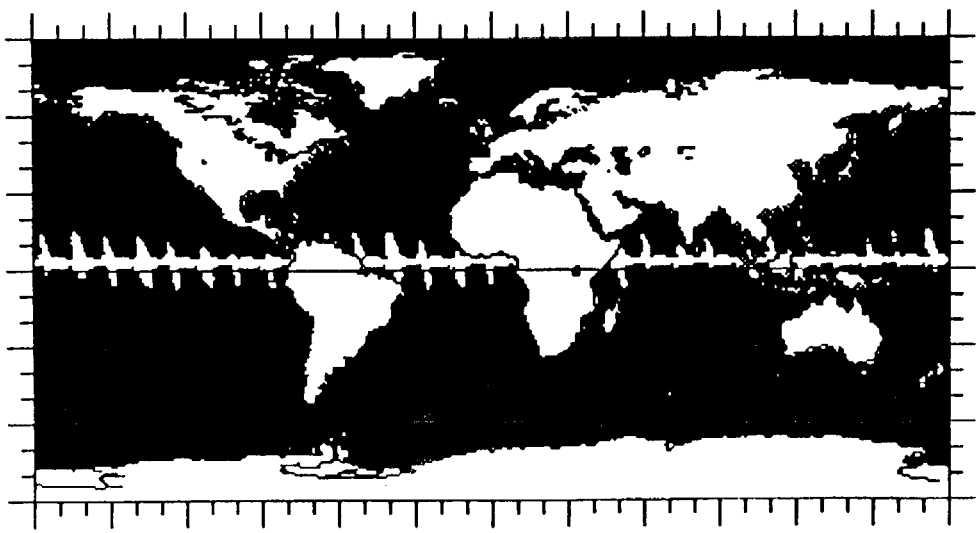

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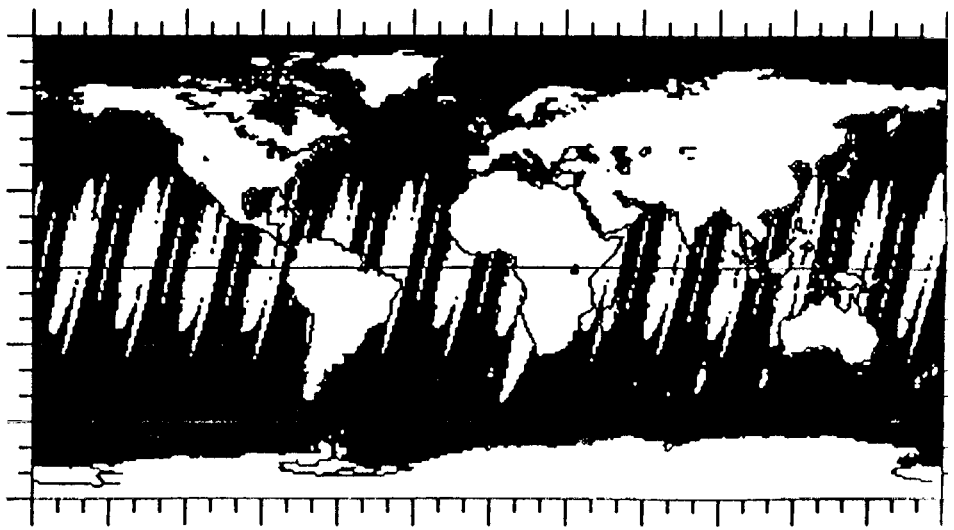

DAY 4

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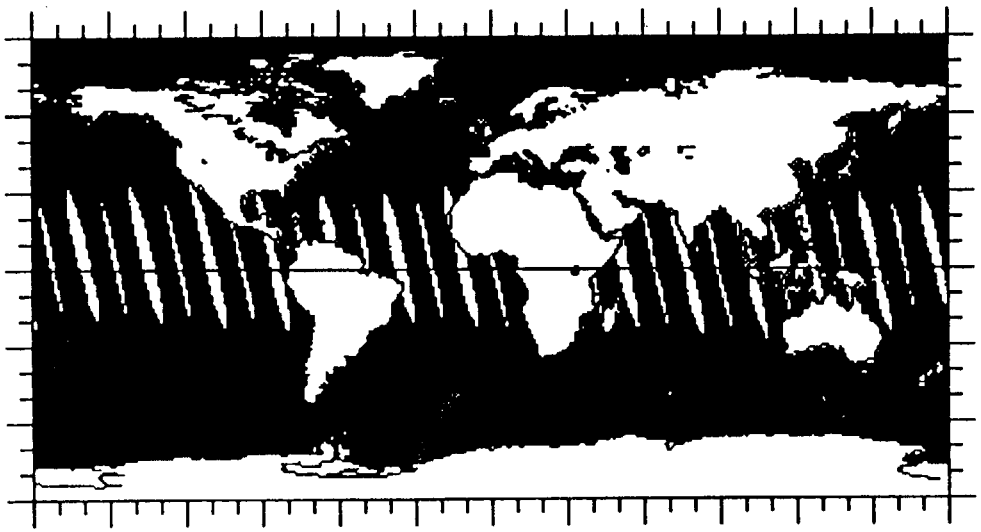

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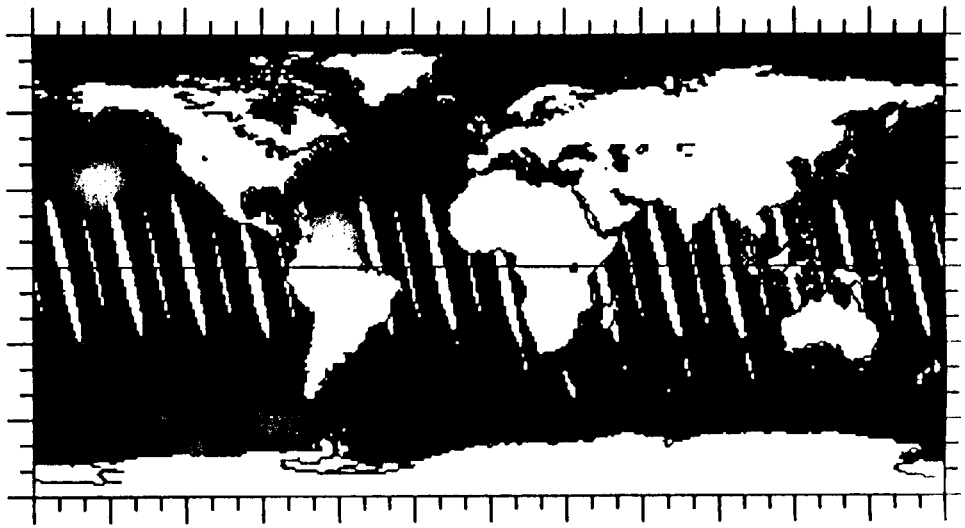

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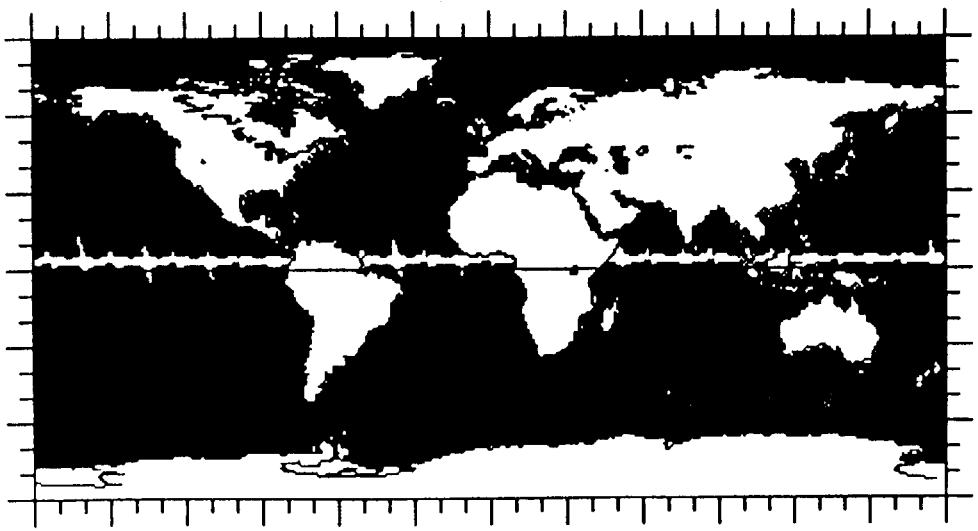

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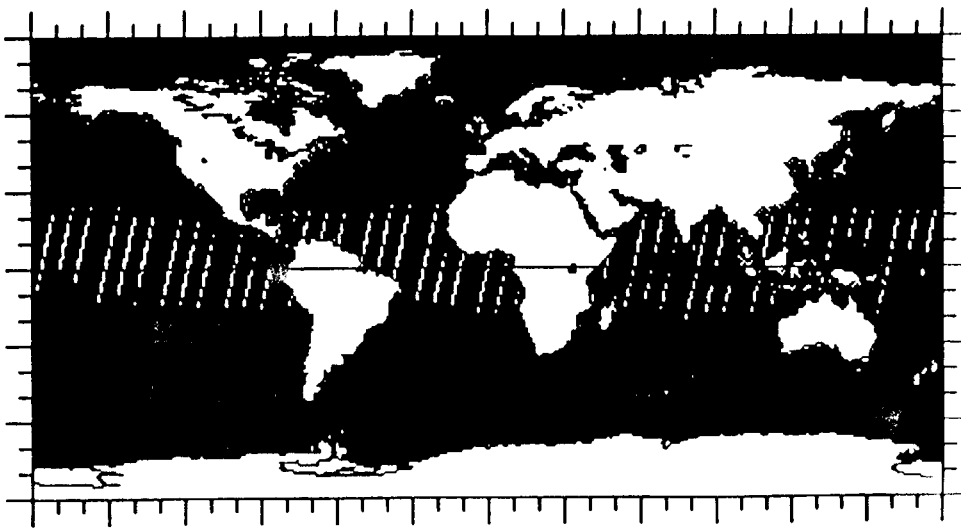

DAY 6

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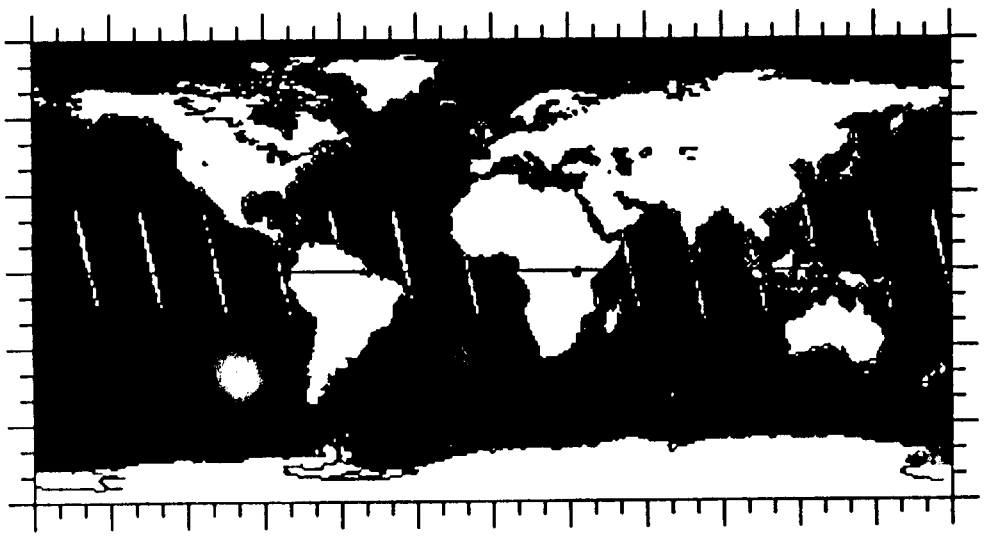

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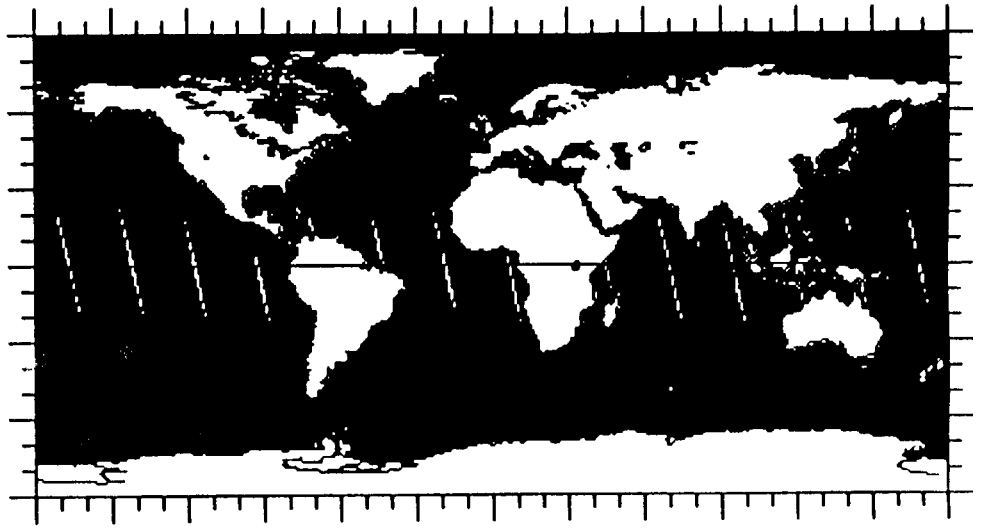

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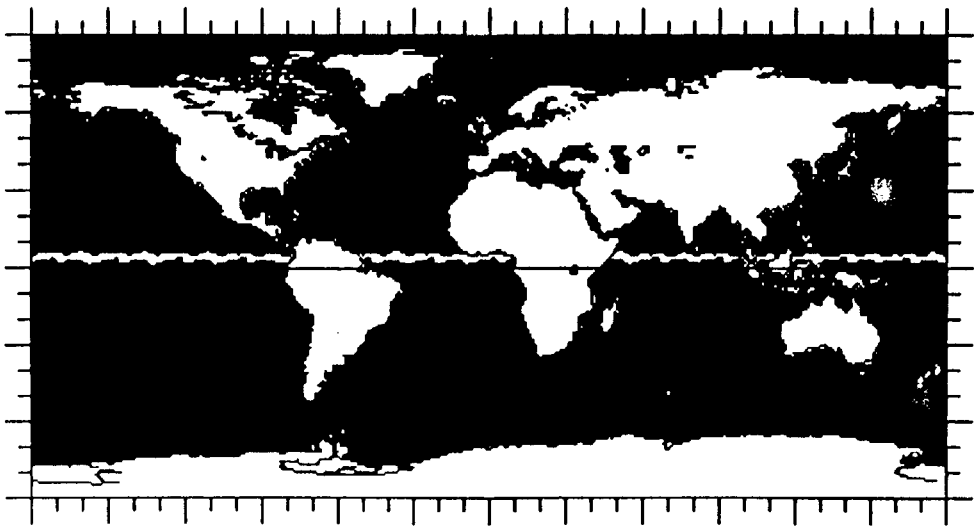

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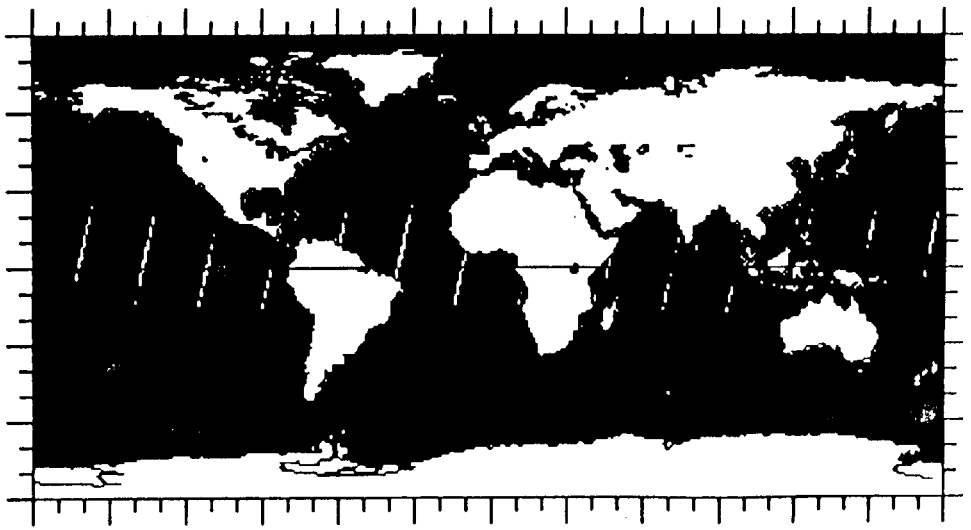
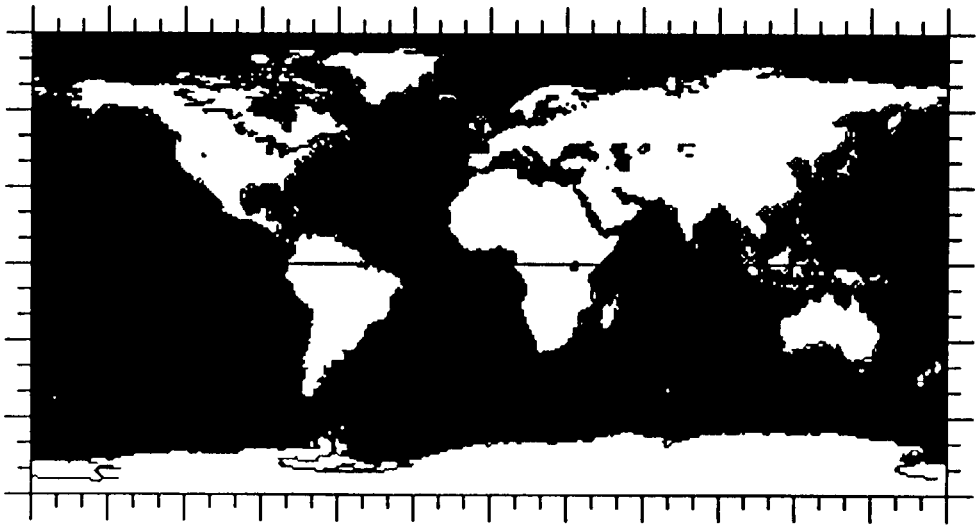


DAY 8

MODIS-N PM



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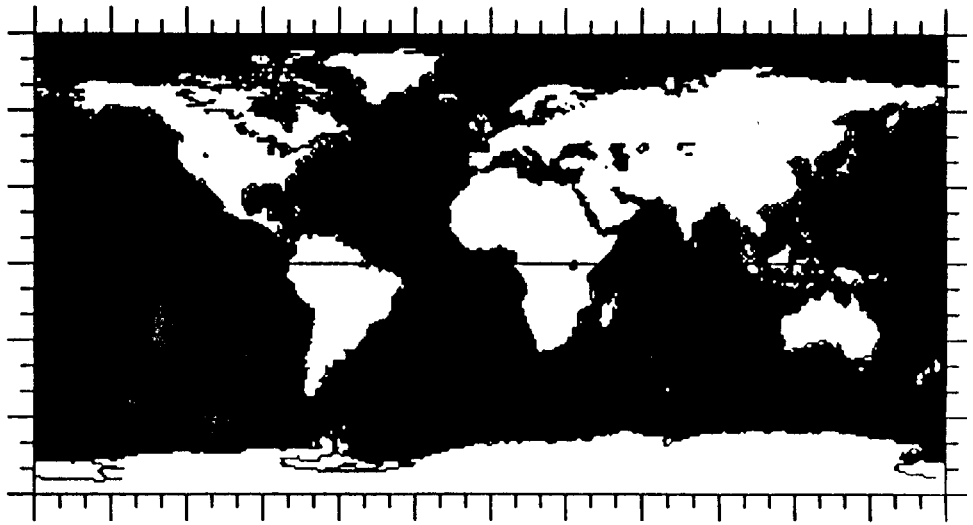

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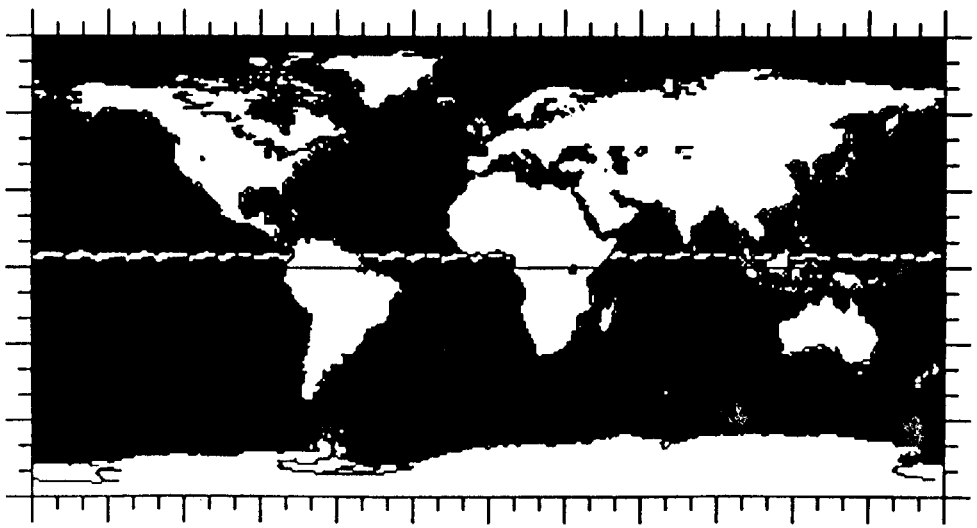

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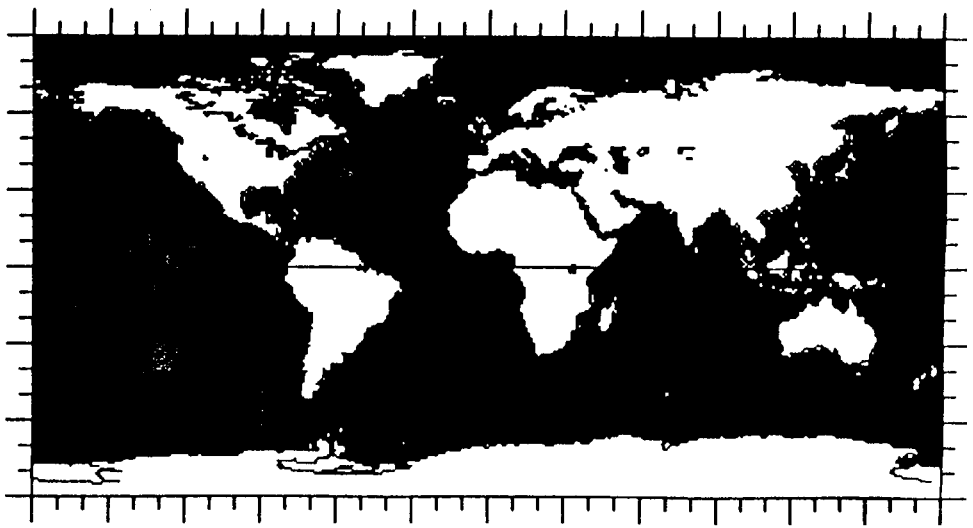
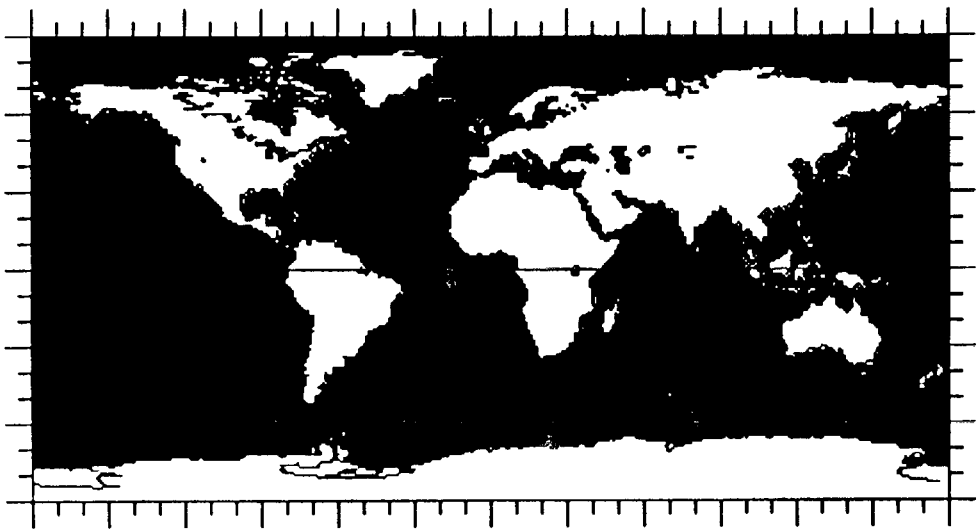


DAY 16

MODIS-N PM



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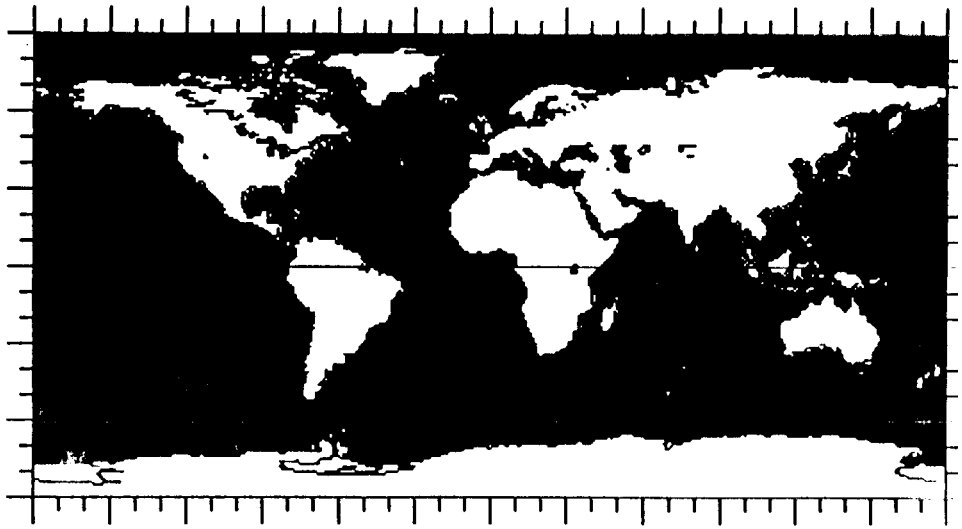

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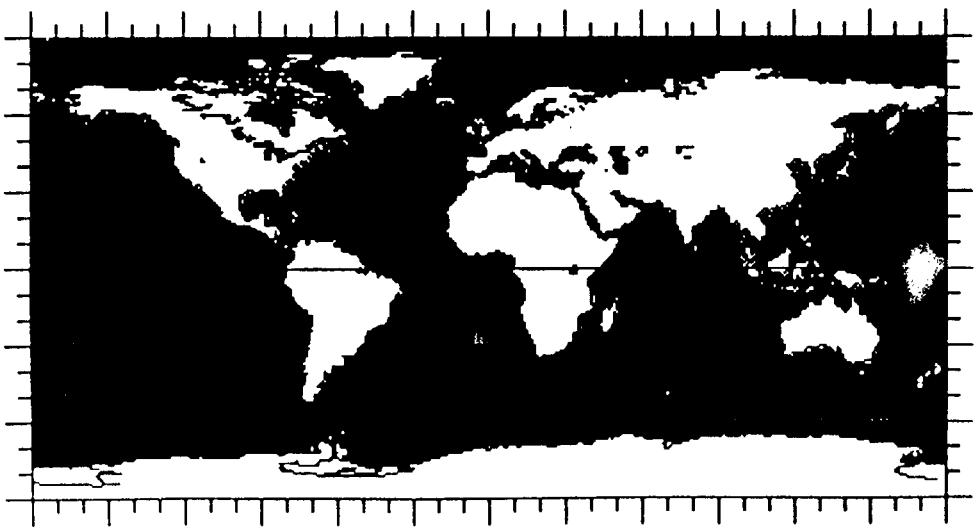

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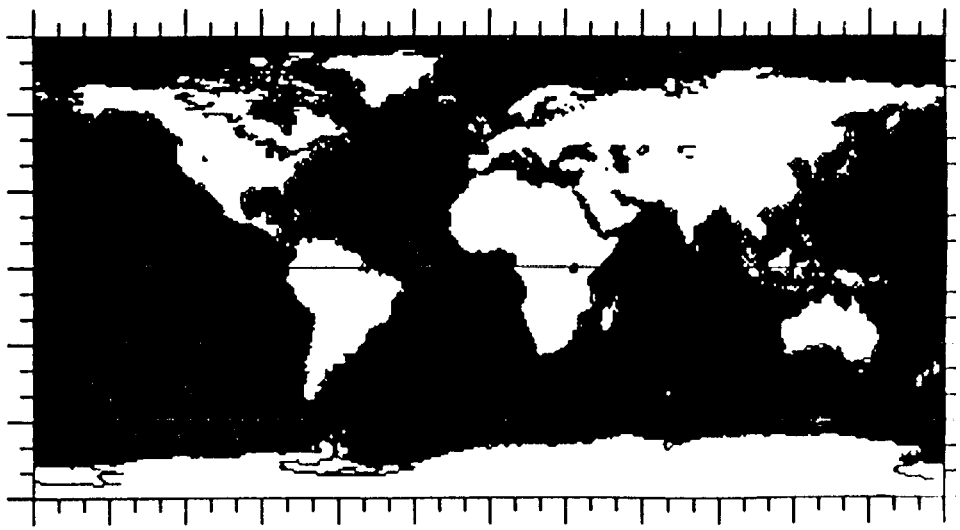
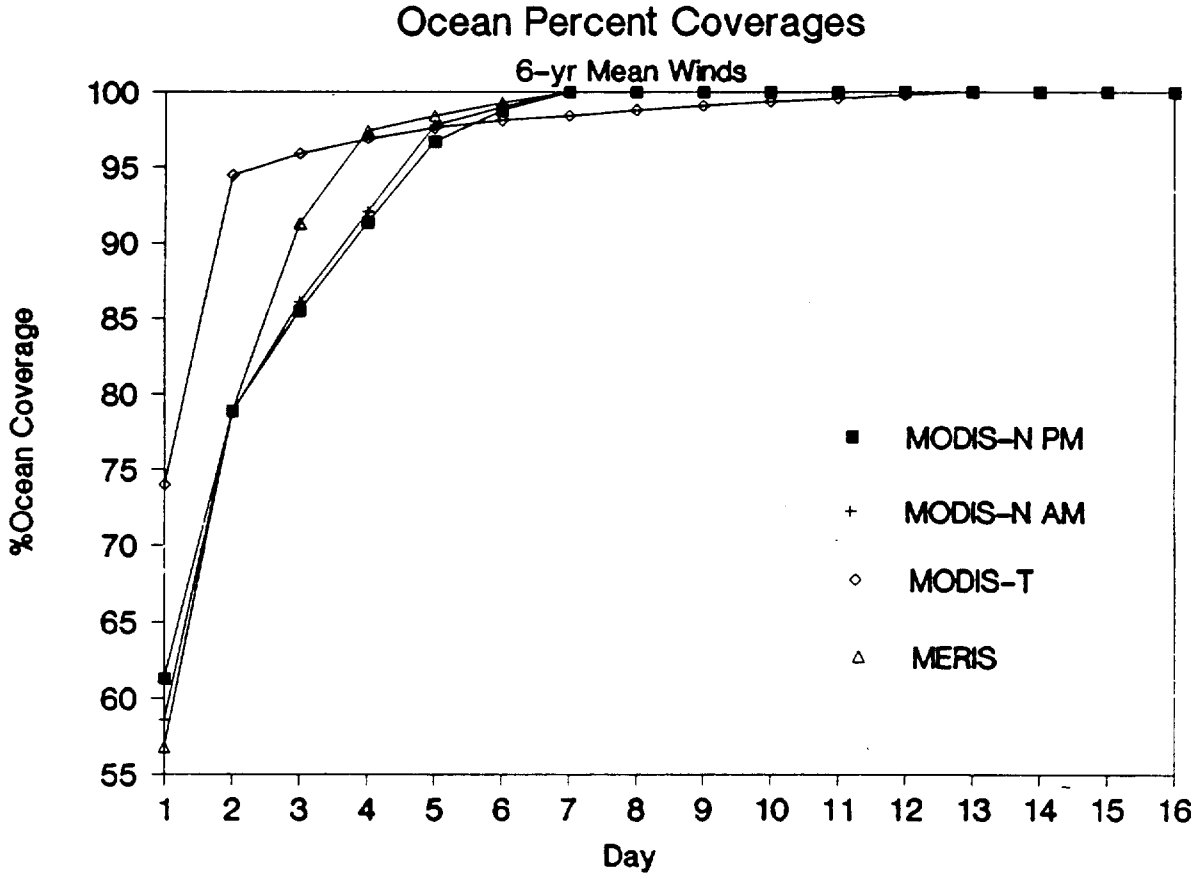
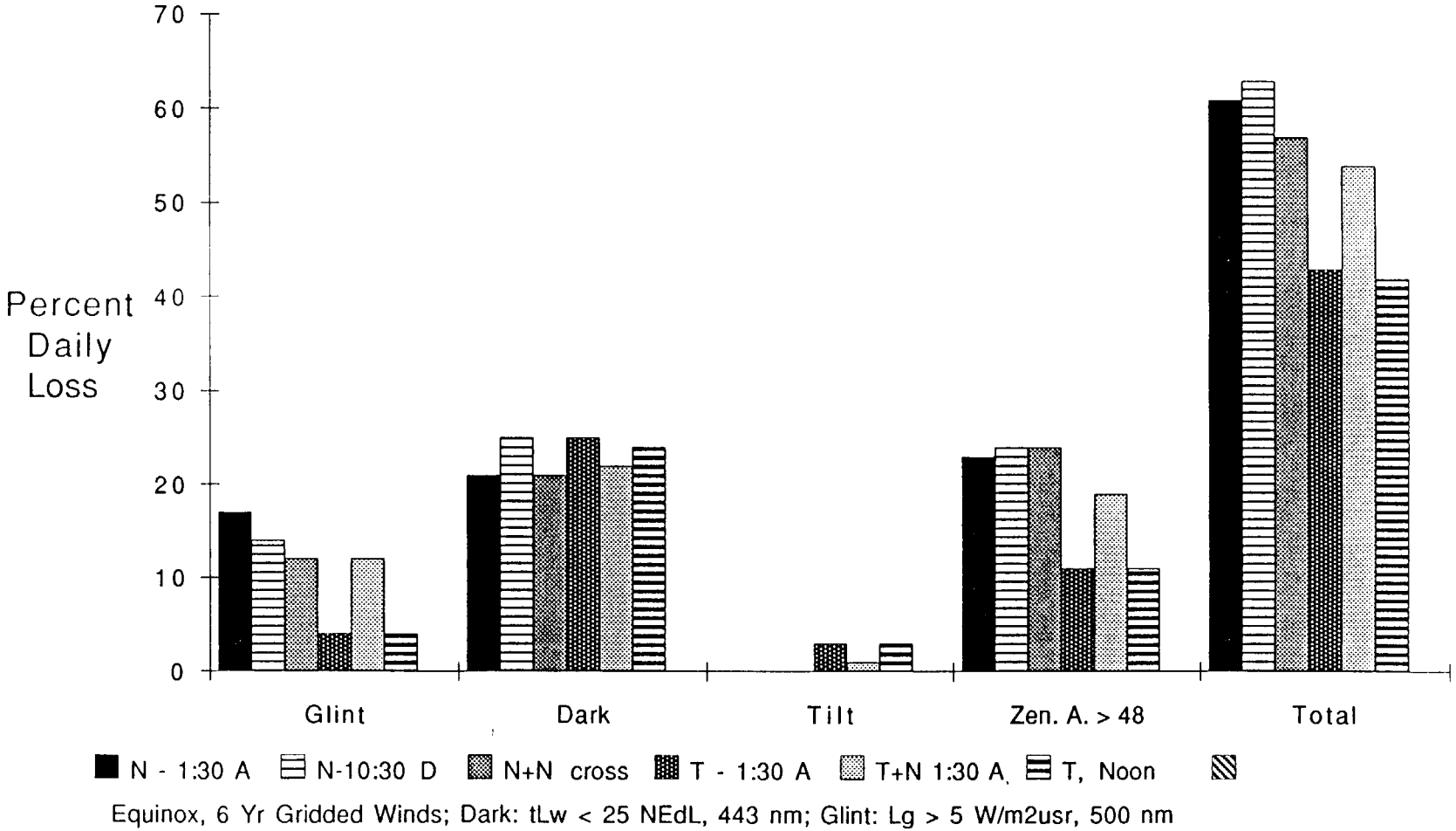



Ocean Percent Coverages
6-yr Mean Winds
%Ocean Coverage
100
95
90
85
80
75
70
65
60
55
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
Day
MODIS-N PM
MODIS-N AM
MODIS-T
MERIS

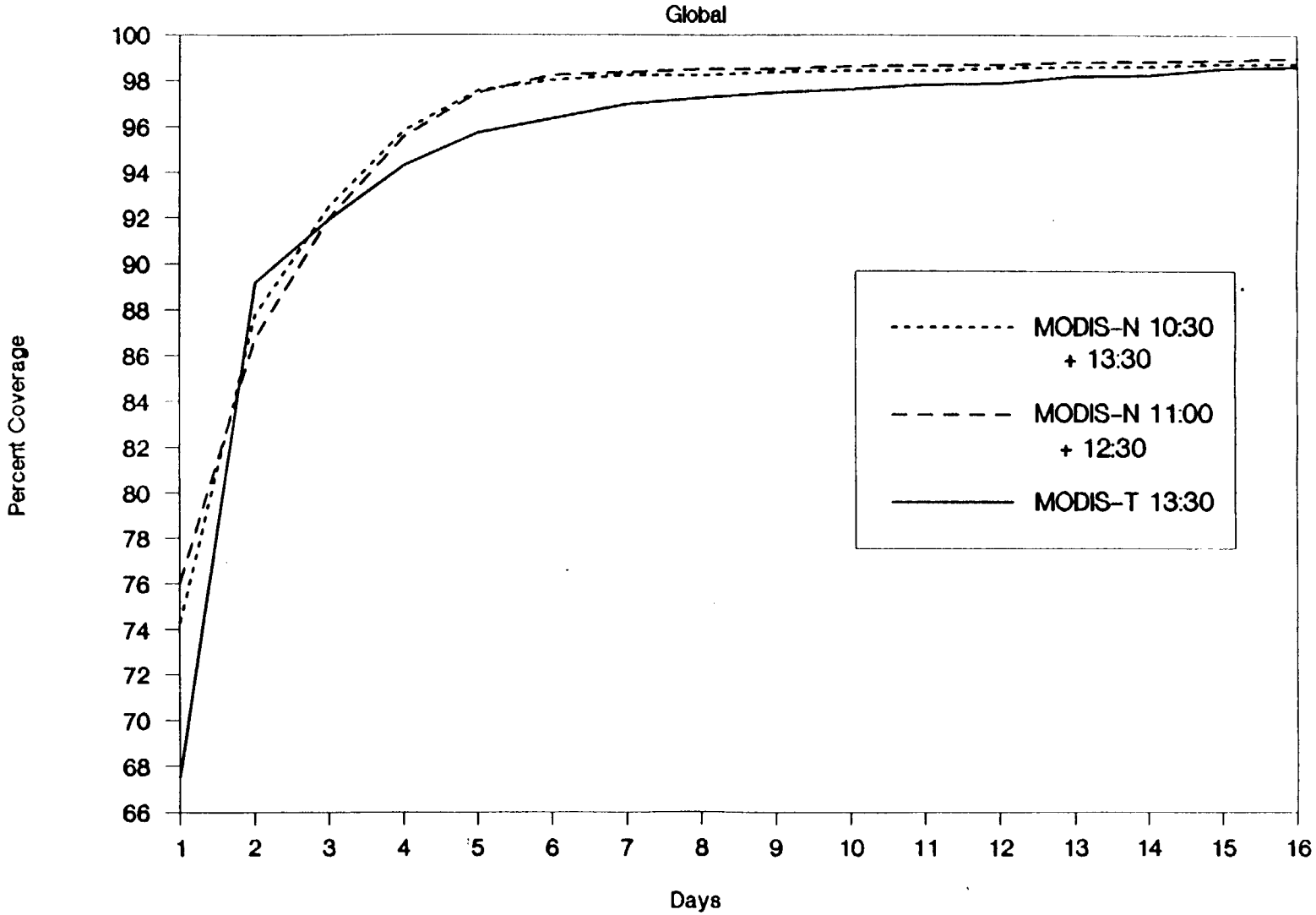
Ocean Data Losses for various conditions

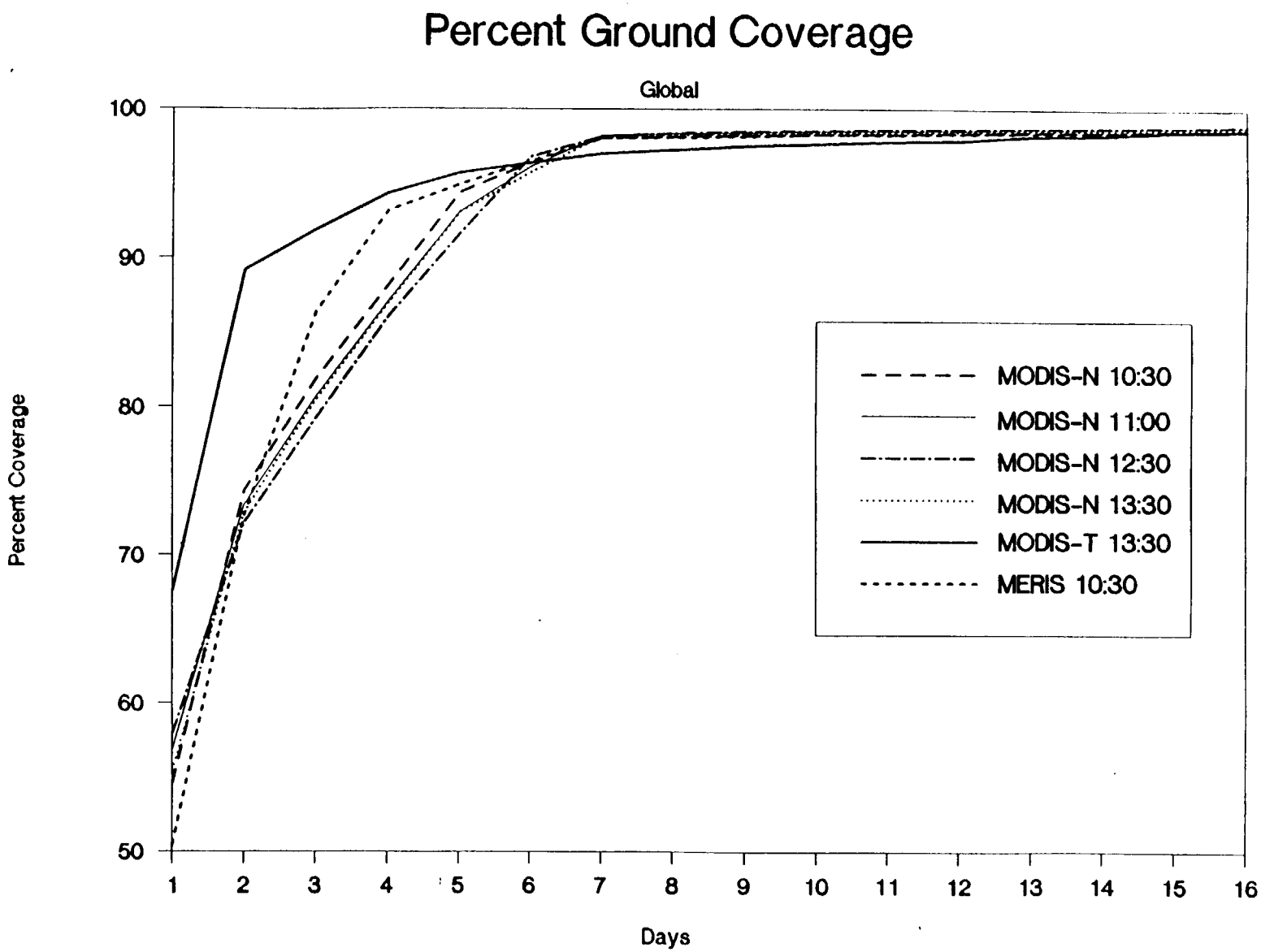
Sensor-Orbit	Glint	Dark	Tilt	Zen. A. > 48	Total Lost
N - 1:30 A	17	21	0	23	61
N-10:30 D	14	25	0	24	63
N+N cross	12	21	0	24	57
T - 1:30 A	4	25	3	11	43
T+N 1:30 A	12	22	1	19	54
T, Noon	4	24	3	11	42

No clouds, gridded winds, equinox, 50% duty cycle
Dark is when tLw < 25 NEdL at 443 nm (ca. 2.5 CZCS counts)
Glint is when Lg > 5 W/m2usr at 500 nm (.5 mW/cm2....)

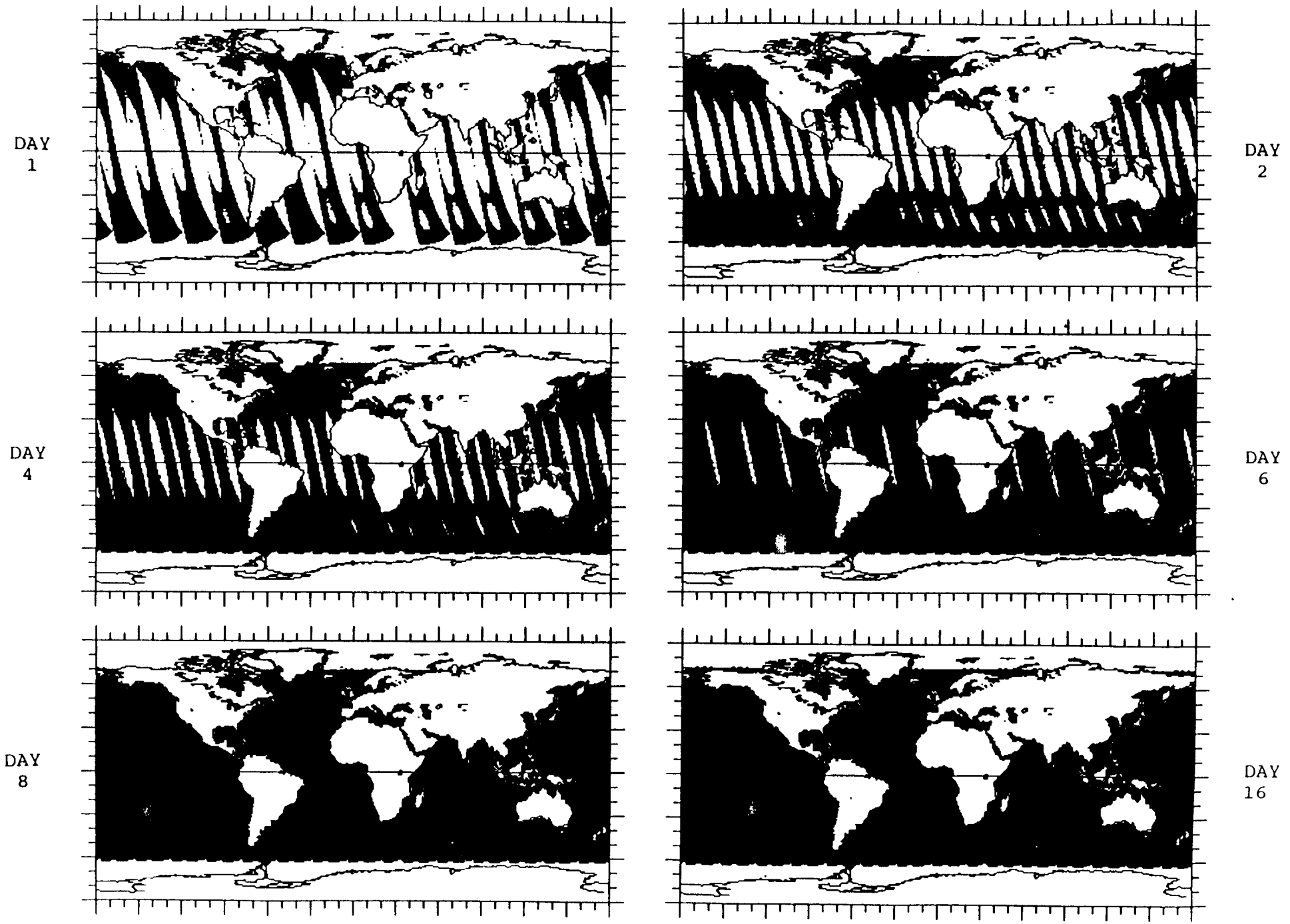

Data Loss With Various Scenarios
Percent Daily Loss
70
60
50
40
30
20
10
0
Glint
Dark
Tilt
Zen. A. > 48
Total
N - 1:30 A
N-10:30 D
N+N cross
T - 1:30 A
T+N 1:30 A
T, Noon
Equinox, 6 Yr Gridded Winds; Dark: tLw < 25 NEdL, 443 nm; Glint: Lg > 5 W/m2usr, 500 nm

Percent Ground Coverage

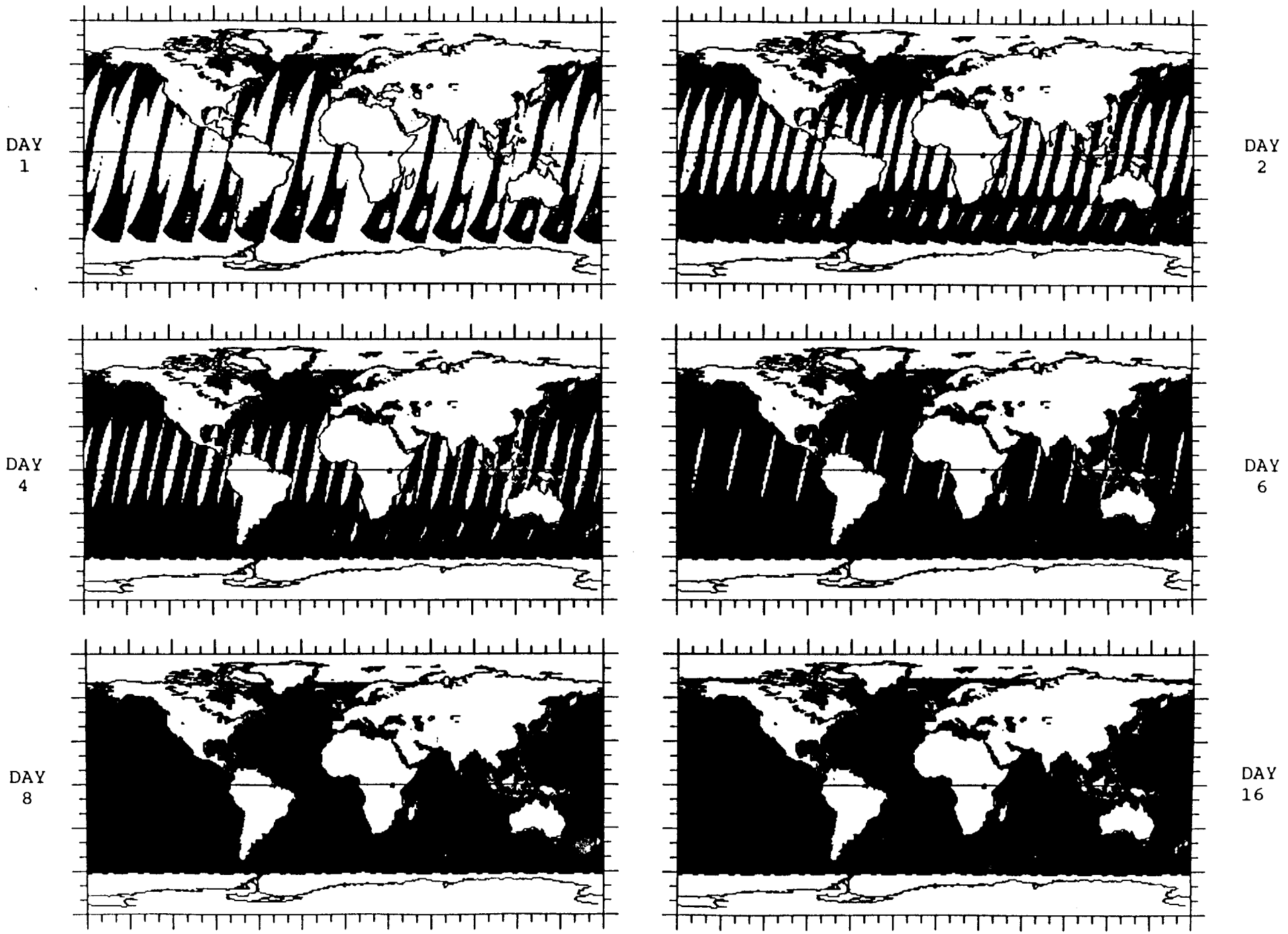



Percent Ground Coverage
Global
Percent Coverage
100
90
80
70
60
50
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
Days
MODIS-N 10:30
MODIS-N 11:00
MODIS-N 12:30
MODIS-N 13:30
MODIS-T 13:30
MERIS 10:30

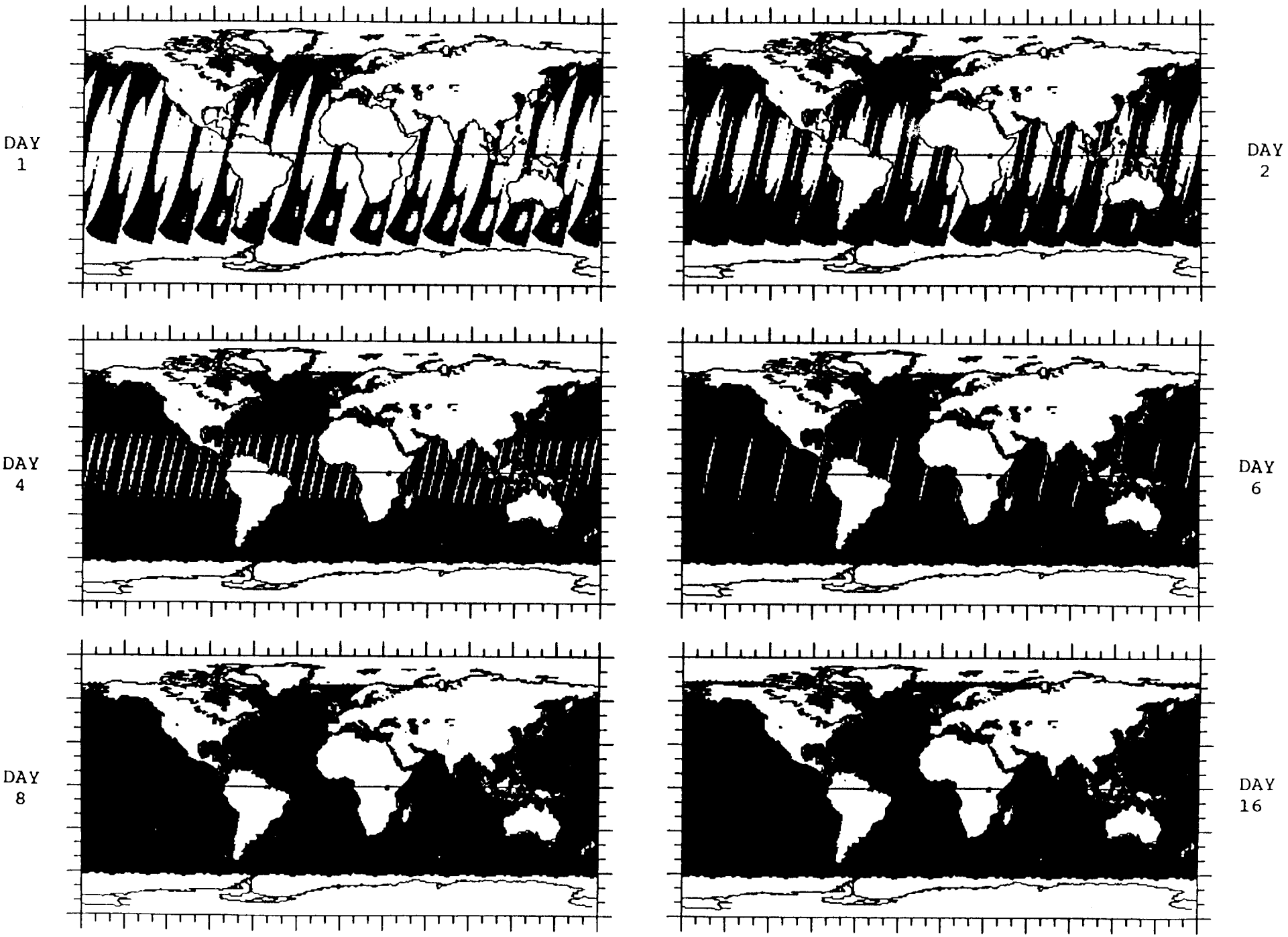
MODIS-N 1:30 PM ASCENDING



MODIS-N 10:30 AM DESCENDING

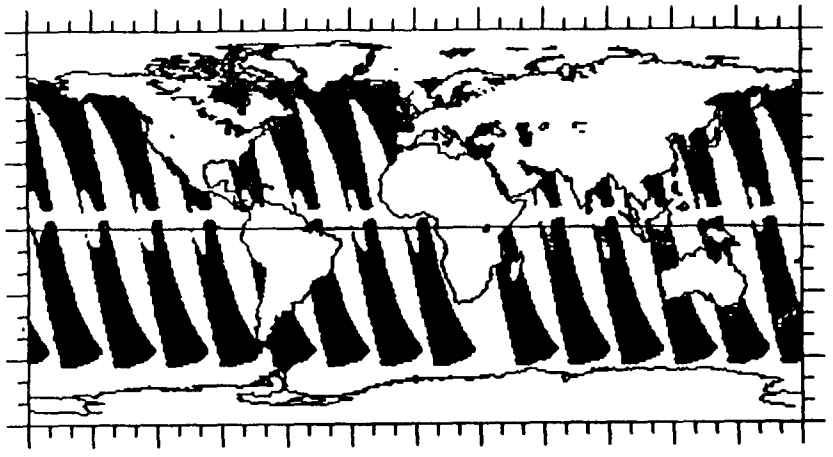


MERIS 10:30 AM DESCENDING

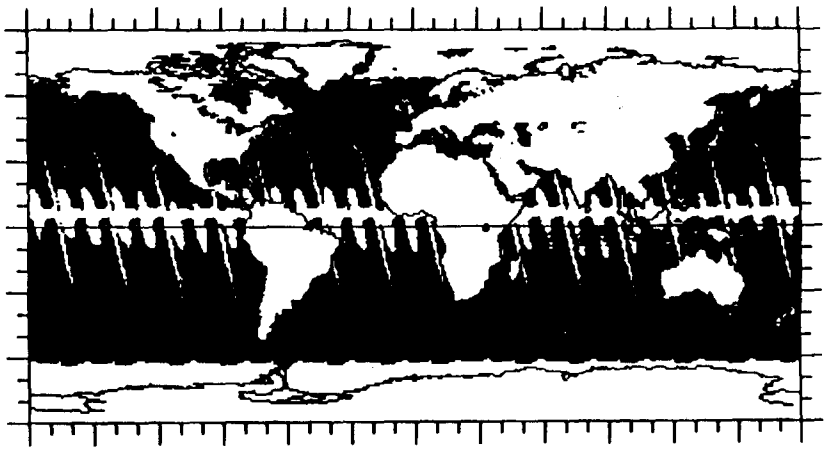


MODIS-T 1:30 PM ASCENDING

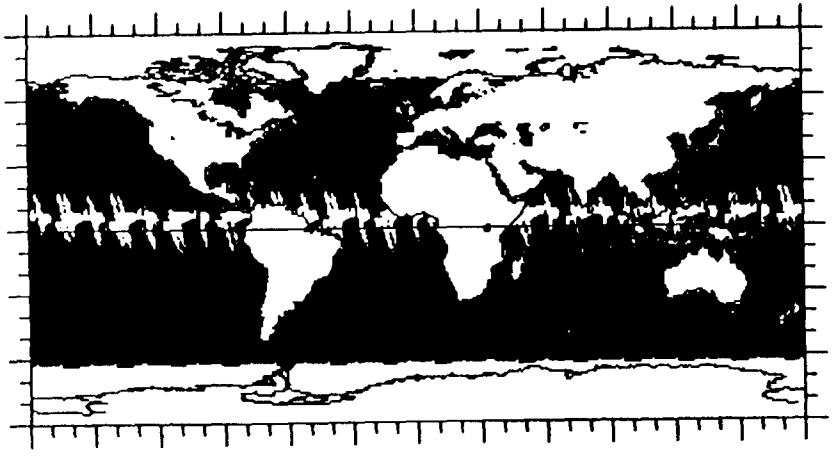
DAY 1



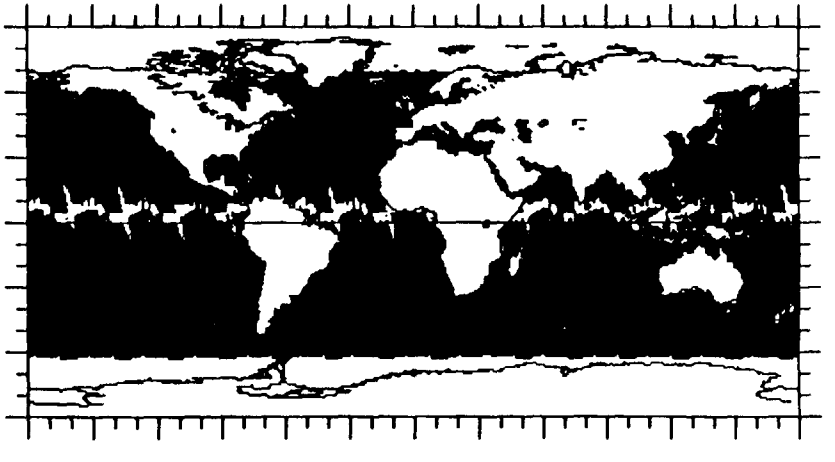
DAY 2



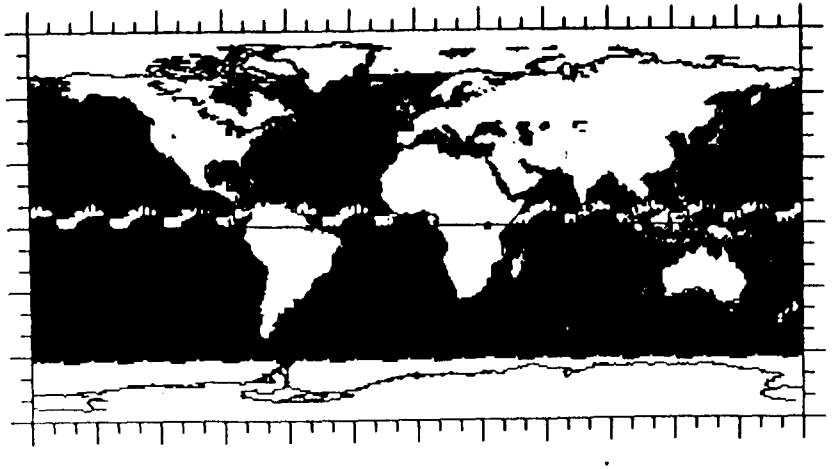
DAY 4



DAY 6



DAY 8



DAY 16