19950826 I1_LPS

E.2 Lead Project Scientist (On-Board)

E.2.1 Preflight

✓ 1. Participate in general mission briefing.

✓ 2. Determine specific mission and flight requirements for assigned aircraft.

✓ 3. Determine from CARCAH or field program director whether aircraft has operational fix responsibility and discuss with OAO flight director/meteorologist and CARCAH unless briefed otherwise by field program director.

✓ 4. Contact HRD members of crew to:

a. Assure availability for mission.
b. Arrange ground transportation schedule when deployed.
c. Determine equipment status.

✓ 5. Meet with OAO flight crew at least 90 minutes before takeoff, provide copies of flight requirements and provide a formal briefing for the flight director, navigator, and pilots.

✓ 6. Report status of aircraft, systems, necessary on-board supplies and crews to appropriate HRD operations center (MGOC in Miami or FGOC at remote recovery location).

E.2.2 In-Flight

_____ 1. Confirm from OAO flight director/meteorologist that satellite data link is operative (information).

_____ 2. Confirm camera mode of operation.

_____ 3. Confirm data recording rate.

_____ 4. Complete Form E-2.

E.2.3 Postflight

_____ 1. Debrief scientific crew.

_____ 2. Report landing time, aircraft, crew, and mission status along with supplies (tapes, etc.) remaining aboard the aircraft to the appropriate HRD operations center (MGOC or FGOC).

_____ 3. Gather completed forms for mission and turn in at the appropriate operations center. [Note: all data removed from the aircraft by HRD personnel should be cleared with the OAO flight director.]

_____ 4. Obtain a copy of the 10-s flight listing from the OAO flight director. Turn in with completed forms.

_____ 5. Determine next mission status, if any, and brief crews as necessary.

_____ 6. Notify the appropriate operations center (FGOC or MGOC) as to where you can be contacted and arrange for any further coordination required.

Form E-2
Page 1 of 5

On-Board Lead Project Scientist Check List

Date 8/26/95 Aircraft 43RF Flight ID 950826I

A. Participants

HRD		OAO	
Function	Participant	Function	Participant
Lead Proj. Sci.	Marks	Flight Director	Damiano
Cloud Physics	Kaplan	Pilots	Player / Kennedy
Radar	Leighton	Navigator	Kozak
Doppler / Wakstation	Griffin	Sys. Engr.	Moore / Bast
Photographer		Data Tech.	Juan Carlos / Sean
Omegasonde	Franklin	El. Tech.	Lynch
AXBT/AXCP		Other	McFadden

Take-Off ~~GS~~ 172152 Location OPA LOCKA Landing 25°54.7'N 80°17.3'W Location

B. Past and Forecast Storm Locations

Date/Time	Latitude	Longitude	MSLP	Max. Wind

C. Mission Briefing

Ferry to Barbados + Ops with 42RF

D. Equipment Status

Equipment	Pre-Flight	In-Flight	Post-Flight
Aircraft	✓		
Radar	✓		
Cloud physics	✓		
Data system	✓		
Omegasondes	✓		
AXBT/AXCP	NA		
Doppler	✓		
Photography (video)	✓		

REMARKS:

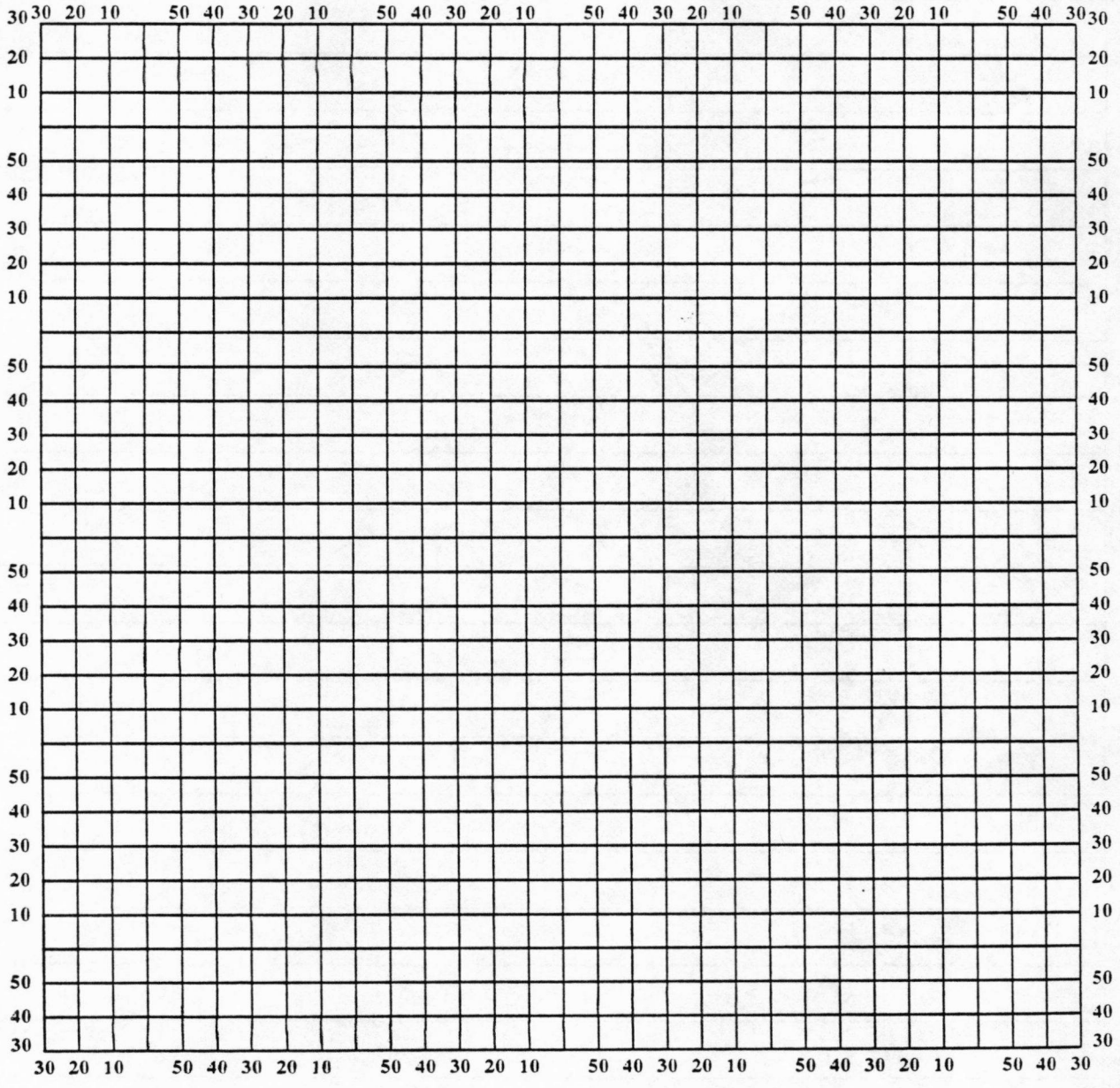
E. I. Proposed Flight Pattern (sketch or designate by number)

E. II. Actual Flight Pattern

Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes of ϕ and λ.

Date_____ Longitude _____ Observer _____



Note: Label full degrees according to location of flight area.

Lead Project Scientist Event Log

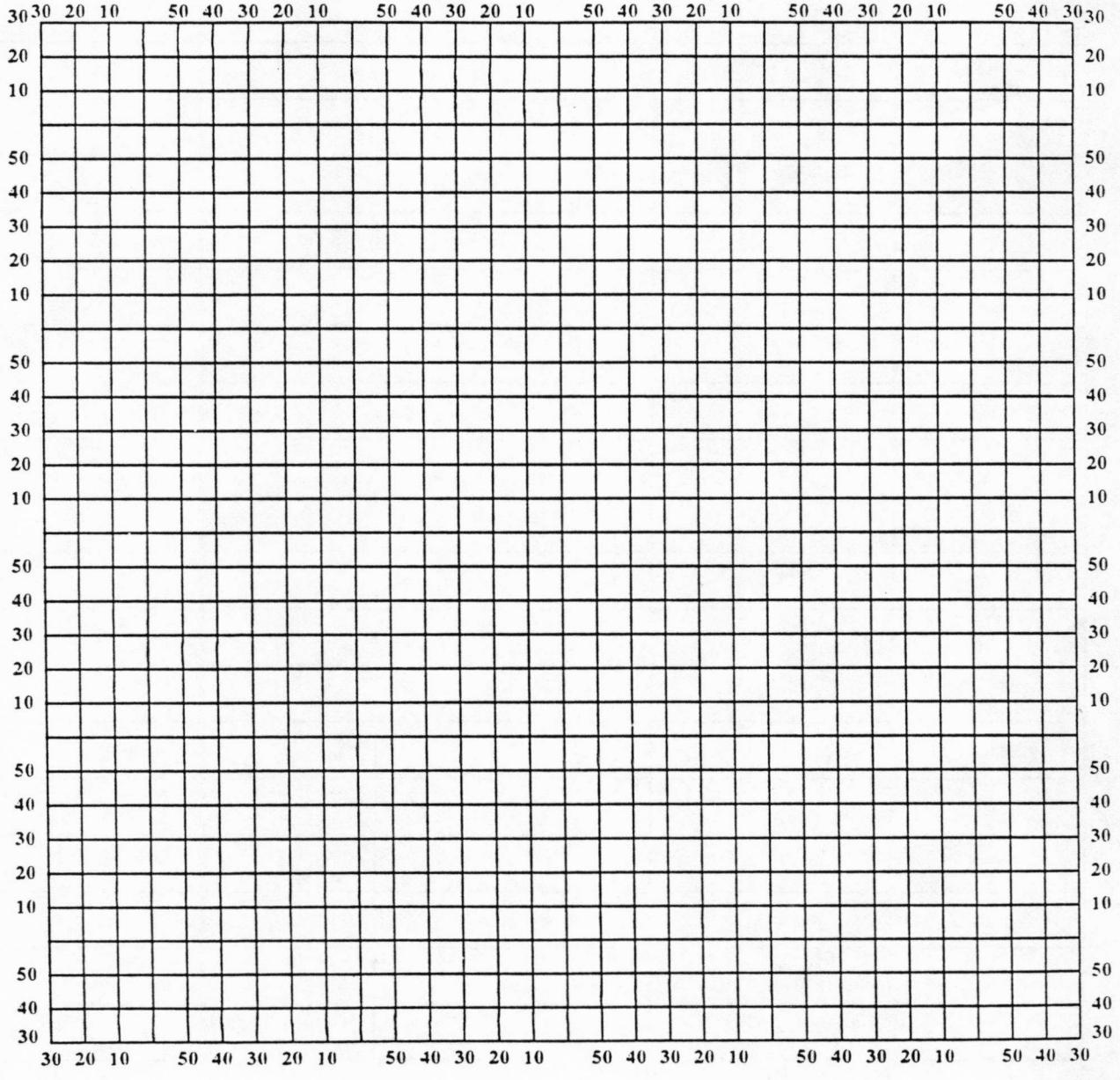
Date ________________ Flight ________________ LPS ________________

Time	Event	Position	Comments

Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes of ϕ and λ.

Date_____ Longitude _____ Observer _____

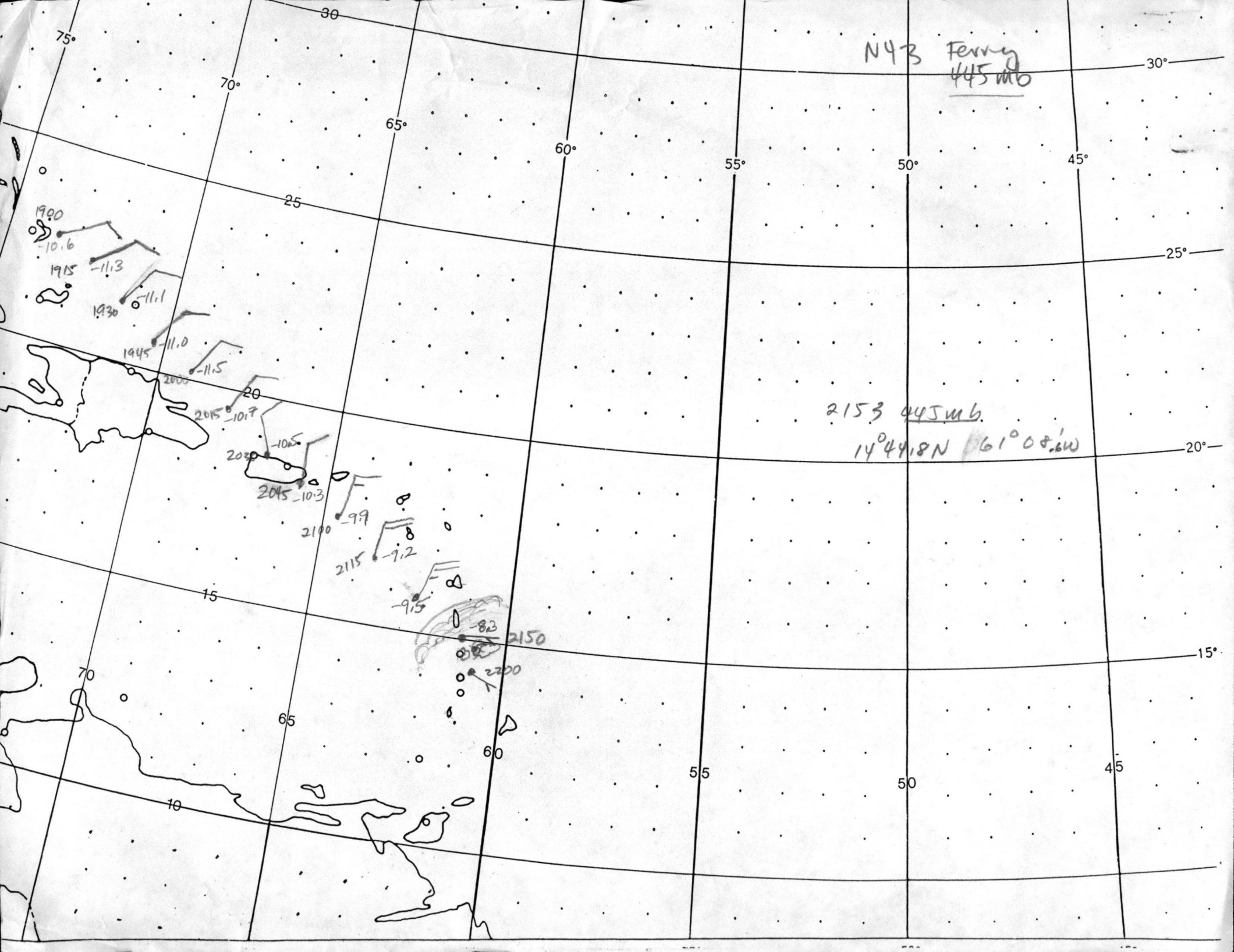


Note: Label full degrees according to location of flight area.

Lead Project Scientist Event Log

Date ____________ Flight ____________ LPS ____________

Time	Event	Position	Comments


N43 Ferry
445 mb
2153 445mb
14°44.8N 61°08.6W
1900
-10.6
1915
-11.3
1930
-11.1
1945
-11.0
-11.5
2000
2015
-10.7
2030
-10.5
2045
-10.3
2100
-9.9
2115
-9.2
-9.5
-8.3
2150
2200
75°
70°
65°
60°
55°
50°
45°
30°
25°
20°
15°
30
25
20
15
10
70
65
60
55
50
45