



U.S. DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL GEODETIC NETWORK
 WASHINGTON, D. C.
 May 1973
TRIANGULATION DIAGRAM
(Not For Navigational Purposes)

- HORIZONTAL CONTROL**
- Monumented Point or Located Object
 - 60 See separate index for names of numbered stations
 - Station reported not recovered
 - Measured Base - Electronic or Taped
 - Line of triangulation observed
 - Line of triangulation observed from one end only
 - Measured Length - Electronic

THE COPY

KEY TO NUMBERED STATIONS
TRIANGULATION CHART 1248

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- 1 CONGRESS
- 1 CONGRESS RM 3
- 1 MIAMI HAYCON HALL FLAGSTAFF
- 1 MIAMI PRESBYTERIAN CHURCH SPIRE
- 1 MIAMI INDRAMAH BUILDING AIRWAYS BEACON
- 2 MIAMI COURTHOUSE
- 2 MIAMI COURTHOUSE TOWER
- 2 MIAMI N BASE
- 2 MIAMI LONGITUDE STATION
- 3 MIAMI FIRST TRUST COMPANY CUPOLA
- 3 MIAMI SECURITY BUILDING FLAGSTAFF
- 3 MIAMI CATHOLIC CHURCH SPIRE
- 3 MIAMI METHODIST CHURCH SPIRE
- 4 MIAMI LAUNDRY STACK
- 5 MIAMI POSTAL BUILDING FLAGSTAFF
- 6 MIAMI FIRST BAPTIST CHURCH DOME
- 7 MIAMI FLORIDA LIGHT AND POWER CO ICE PLANT 1 STACK
- 8 MIAMI EVERGLADES HOTEL TOWER
- 9 MIAMI NEWS TOWER
- 10 MIAMI SEARS ROEBUCK CO TOWER
- 10 MIAMI RADIO STATION WJAM TOWER
- 11 MIAMI ROOSEVELT HOTEL YELLOW CHIMNEY
- 12 MIAMI WJAM RADIO MAST
- 13 PIER USE
- 13 PIER 3 FLAGPOLE
- 14 BRIDGE HOUSE VENETIAN
- 15 MIAMI MAIN CHANNEL BEACON NO 21
- 16 MIAMI MAIN CHANNEL BEACON NO 19
- 17 MCALLISTER
- 18 MIAMI ROYAL PALM HOTEL FLAGSTAFF
- 19 BRICKELL ISLAND NORTH
- 20 BRICKELL ISLAND SOUTH
- 21 JUPITER WATER TANK
- 21 JUPITER INLET LIGHTHOUSE ECC
- 21 JUPITER INLET LIGHTHOUSE
- 22 JUPITER E ONE OF TWO RADIO MASTS
- 23 JUPITER W ONE OF TWO RADIO MASTS
- 24 KELSEY CITY BLACK WATER TANK BALL ON TOP
- 24 LAKE PARK WATER TANK
- 25 W PALM BEACH SILVER STANDPIPE
- 26 AIRWAY BEACON NO 6 NEAR W PALM BEACH
- 27 LAKE WORTH LARGE BLACK TANK
- 28 BUENA VISTA BLACK WATER TANK FINIAL
- 28 MIAMI FLORIDA E COAST RAILROAD TWIN STEEL STACK
- 29 CORAL GABLES MIAMI BILTHORE HOTEL TOWER
- 29 N 850 DCPW
- 30 TROPICAL PARK SILVER TANK
- 31 BISCAYNE CHANNEL BEACON NO 5
- 32 LIGHT NO 20 BISCAYNE CHANNEL ENTRANCE RANGE FRONT LIGHT
- 32 KEY BISCAYNE BAY CHANNEL LIGHT
- 33 FLASHING RED LIGHT CAPE FLORIDA SHOAL 2
- 34 LIGHT NO 8 BISCAYNE CHANNEL INNER RANGE FRONT
- 35 CAPE FLORIDA CHANNEL REAR RANGE BEACON
- 36 FLORIDA LIGHT AND POWER CO USE
- 36 FLP CO TALL CHIMNEY
- 36 FLP CO LOW CHIMNEY
- 37 ARUNDEL
- 37 ARUNDEL USE
- 39 FLEETWOOD HOTEL STACK
- 39 FLAMINGO HOTEL DOME
- 40 DILIDO NORTH
- 41 DILIDO SOUTH
- 42 PALM ISLAND PAVILION FLAGPOLE
- 43 MIAMI MAIN CHANNEL BEACON NO 11
- 44 SOLLEE USE
- 45 BEACON WHITE NORTH
- 46 BEACON WHITE SOUTH
- 47 S MIAMI BEACH WATER TANK GREEN
- 48 FLAGLER MONUMENT
- 49 DELRAY SILVER TANK FINIAL
- 50 MIAMI TALLEST GAS TANK
- 51 MIAMI BEACH S RADIO TOWER
- 51 MIAMI BEACH N RADIO TOWER
- 52 MIAMI BEACH NAUTILUS HOTEL W TWIN TOWER
- 52 MIAMI BEACH NAUTILUS HOTEL S TWIN TOWER
- 53 SAINT FRANCIS HOSPITAL CROSS
- 54 MIAMI TEMPLE BAPTIST CHURCH DOME
- 55 MIALEAH EASTERN AIR TRANSPORT COMPANY BEACON
- 56 MIAMI SAINT AGNES CHURCH CROSS
- 57 MIAMI DISPOSAL PLANT CONCRETE STACK
- 58 MIAMI WAGNERS BREWERY SIGN
- 58 MIAMI CITY ICE COMPANY ALUMINUM STACK
- 59 MIAMI J E WITHERS BUILDING PENTHOUSE
- 60 MIAMI S CHANNEL FRONT ENTRANCE BEACON
- 61 MIAMI BEACON FLORIDIAN HOTEL CUPOLA
- 62 MIAMI HOME MILK PRODUCERS ASSOCIATION ALUMINUM STACK
- 63 MIAMI BEVERLY TERRACE HOTEL CUPOLA
- 64 RADAR S1 PBCSD
- 65 MIAMI CRYSTAL ICE CO ALUMINUM STACK
- 66 MIAMI MAIN CHANNEL BEACON NO 17
- 67 MIAMI S CHANNEL BEACON NO 2
- 68 MIAMI S CHANNEL REAR ENTRANCE BEACON
- 69 BISCAYNE BAY WEST POINT BEACON NO 28
- 70 MIAMI MAIN CHANNEL BEACON NO 14
- 70 MIAMI MAIN CHANNEL BEACON NO 9
- 71 MIAMI 36TH STREET BRIDGE W WHEEL
- 72 MIAMI SEABOARD BAKING CO ROUND BRICK STACK
- 73 MIAMI SEABOARD AIRLINE RAILROAD BLACK WATER TANK
- 73 MIAMI SEABOARD AIRLINE RAILROAD E STACK
- 73 MIAMI SEABOARD AIRLINE RAILROAD W STACK
- 74 MIAMI MAIN CHANNEL BEACON NO 13
- 75 MIAMI MAIN CHANNEL BEACON NO 15
- 76 RIVER USE
- 77 TSOS R42E SEC 11 14 1/4 CORNER
- 78 FRONT RANGE LIGHT
- 78 FRONT RANGE USE
- 79 OIL
- 79 TSOS R42E SEC 14 23 1/4 CORNER
- 80 MIAMI STANDPIPE
- 80 MIAMI POWERHOUSE STACK
- 80 MIAMI FLP CO CHIMNEY

- 81 SHAWBRIDGE E POLE
- 81 DRAWBRIDGE W POLE
- 82 U S COAST GUARD STATION FLAGPOLE
- 83 PALM BEACH WATER TANK
- 84 JUPITER WEST RADIO TOWER
- 84 JUPITER USCG RADIO TOWER
- 85 CUPOLA CUTLER DEERING ESTATE CUPOLA
- 86 BASE USE
- 86 EPIM
- 86 DINGO
- 86 DINGO RM 1
- 86 BENCH MARK NO 6 USE
- 87 JUPITER MICROWAVE TOWER LIGHT
- 87 JUPITER MICROWAVE TOWER CENTER
- 88 FT LAUDERDALE BATH CASINO CUPOLA
- 88 FT LAUDERDALE BEACH WATER TANK
- 89 INLET
- 89 U S N NORTH RANGE
- 89 S JETTY USE
- 90 SPOTL USE
- 91 CUTLER FLORIDA POWER AND LIGHT CO WATER TANK
- 91 NACO RM 6
- 91 T555 R42E SEC 24 SW CORNER
- 92 PALM BEACH INTERNATIONAL AIRPORT AP STA A
- 93 PALM BEACH INTERNATIONAL AIRPORT AP STA B
- 94 PALM BEACH INTERNATIONAL AIRPORT TANK BEACON 1953
- 95 FT LAUDERDALE GOVERNORS CLUB HOTEL TOWER
- 96 FT LAUDERDALE CROISSANT PARK WATER TANK
- 97 MIAMI MIFIX ANTENNA
- 98 LEROY
- 98 MIAMI MAIN CHANNEL BEACON 7
- 99 MIAMI MAIN CHANNEL LIGHT 21
- 100 MIAMI MAIN CHANNEL LIGHT 19
- 101 MIAMI MAIN CHANNEL LIGHT 17
- 102 MIAMI FISHER ISLAND BELCHER OIL CO MAST
- 102 FISHERS ISLAND TURN BASIN LIGHT 3
- 103 FISHERS ISLAND TURN BASIN LIGHT 13
- 104 USA N RANGE RM 1
- 105 FT LAUDERDALE MIFIX ANTENNA
- 105 FT LAUDERDALE RADIO STATION WFTL MAST
- 106 GOLF 2
- 106 GOLF TANK
- 106 JUNO BEACH SEMINOLE GOLF CLUB TANK
- 107 PALM BEACH INTERNATIONAL AIRPORT CONTROL TOWER
- 107 DELRAY N BASE 2
- 108 DELRAY N BASE RM 5
- 109 RADAR A 1 PBCSD
- 110 KELSEY 2 S 1 PBCSD
- 111 ST MARYS S 1 PBCSD
- 112 CONNISTON S 2 PBCSD
- 113 GRANT S 1 PBCSD
- 114 HARBOUR S 1 PBCSD
- 115 CONNISTON S 1 PBCSD
- 116 CONTHOL S 1 PBCSD
- 117 EPELEIN PBCSD
- 118 HARRIS PBCSD
- 119 MATTHEW PBCSD
- 120 MCCARTHY PBCSD
- 121 GIVENS PBCSD
- 122 JUNO BEACH FIRST BAPTIST CHURCH SPIRE
- 123 LAKE PARK BANKERS LIFE RADIO TOWER
- 124 N PALM BEACH UTILITIES INC TANK
- 125 RIVIERA BEACH MUNICIPAL TANK
- 126 RIVIERA BEACH PALM BEACH CABLE TV TOWER
- 127 RIVIERA BEACH W CO MEDIA CTR TV MAST
- 128 W PALM BEACH RADIO STATION WJVI E MAST
- 128 W PALM BEACH RADIO STATION WJVI W MAST
- 129 W PALM BEACH MANGONIA PARK TANK
- 130 W PALM BEACH TELEPROMPTER CABLE TV MAST
- 131 RIVIERA BEACH OCEANOGRAPHY SEA TOWER
- 132 RIVIERA BEACH FLORIDA POWER AND LIGHT W STACK
- 133 W PALM BEACH NORTHWOOD BAPTIST CHURCH CROSS
- 134 W PALM BEACH DUNBAR VILLAGE TANK
- 135 W PALM BEACH RADIO STATION WJNO TOWER
- 136 W PALM BEACH GOOD SAHARITAN HOSPITAL STACK
- 137 W PALM BEACH WATER DEPT MAST
- 138 W PALM BEACH GRACE EPISCOPAL CHURCH SPIRE
- 139 PALM BEACH BREAKERS HOTEL N CUPOLA FLAGSTAFF
- 139 PALM BEACH BREAKERS HOTEL S TOWER
- 140 W PALM BEACH FIRST BAPTIST CHURCH SPIRE
- 141 W PALM BEACH MEMORIAL PRESBYTERIAN CHURCH SPIRE
- 142 W PALM BEACH SILVER TANK
- 143 PALM BEACH INTERNATIONAL AIRPORT E TANK
- 144 W PALM BEACH FLORIDA POWER AND LIGHT MAST
- 145 W PALM BEACH SOUTHRIDGE TANK
- 146 LAKE WORTH FIRST CHURCH SCIENCE SPIRE
- 147 LAKE WORTH FIRST BAPTIST CHURCH SPIRE
- 148 LAKE WORTH ENGLEWOOD WATER CO TANK
- 149 LAKE WORTH RADIO STATION HEAT TALLEST MAST
- 150 LANTANA A G HOLLEY STATE HOSPITAL TANK
- 151 W PALM BEACH S W FIRE DIST 6
- 152 LAKE WORTH RADIO STATION WLIZ MAST
- 153 LANTANA MARINE RADIO STATION WOE MAST
- 154 W PALM BEACH ST JOHN FISHER CATHOLIC CHURCH SPIRE
- 155 BOYNTON BEACH RADIO STATION WZZZ MAST
- 156 BOYNTON BEACH TELEPROMPTER CABLE TV MAST
- 157 BOYNTON BEACH MUNICIPAL TANK
- 158 BOYNTON BEACH S MUNICIPAL TANK
- 159 BOYNTON BEACH FIRST BAPTIST CHURCH SPIRE
- 160 DELRAY BEACH SEACREST BLVD PRESBYTERIAN CHURCH SPIRE
- 161 DELRAY BEACH CARSON UNITED METHODIST CHURCH SPIRE
- 162 DELRAY BEACH HARDRIVES CO RADIO MAST
- 163 BOYNTON BEACH CO PUBLIC SCHOOL TV MAST
- 164 DELRAY BEACH RADIO STATION WDBF ME MAST
- 165 DELRAY BEACH RADIO STATION WDBF SW MAST
- 166 DELRAY BEACH S TANK
- 167 BOCA RATON FIRST PRESBYTERIAN CHURCH SPIRE
- 168 BOCA RATON S MUNICIPAL TANK
- 169 BOCA RATON N MUNICIPAL TANK
- 170 DEERFIELD BEACH MUNICIPAL TANK
- 171 FT LAUDERDALE MUNICIPAL WATER TANK
- 172 FT LAUDERDALE SILVER TANK FINIAL
- 172 FT LAUDERDALE VICTORY PARK WATER TANK

FILE COPY
KEY TO NUMBERED STATIONS
TRIANGULATION CHART 1248

FILE COPY

173 A 8
174 A 20
175 A 25
175 A 19
175 A 19 OFFSET
176 FT LAUDERDALE FLORIDA POWER AND LIGHT WATER TANK
176 S STACK OF TWIN STACKS
176 N STACK OF TWIN STACKS
177 REAR RANGE LIGHT
177 REAR RANGE USE
178 FT LAUDERDALE HOLLYWOOD INTERNATIONAL AIRPORT AP STATION B
178 FT LAUDERDALE HOLLYWOOD INTERNATIONAL AIRPORT AP STATION B RM 1
179 AIRPORT BEACON FT LAUDERDALE HOLLYWOOD INTERNATIONAL AIRPORT
180 NOVA UNIVERSITY MIXER ANTENNA
181 BROWARD COUNTY ENG DIST BENCH MARK
182 POMPANO BEACH HIGHLANDS COUNTY UTILITIES TANK
183 POMPANO BEACH FIRST UNITED PRESBYTERIAN CHURCH SPIRE
184 HILLSBORO BEACH MUNICIPAL TANK
185 POMPANO BEACH RADIO STATION WLOD ME MAST
185 POMPANO BEACH RADIO STATION WLOD SW MAST
186 MARGATE SOUTHERN BELL RADIO MAST
187 MARGATE AT AND T MICROWAVE
188 POMPANO BEACH PLAZA SUNSHINE TANK
189 FT LAUDERDALE UNIVERSITY VIDEO CABLE TV MAST
190 FT LAUDERDALE RADIO STATION WRDD MAST
191 FT LAUDERDALE ST CLEMENTS CATHOLIC CHURCH SPIRE
192 POMPANO BEACH CYPRESS PLAZA MUNICIPAL TANK
193 FT LAUDERDALE RADIO STATION WMJR MAST
194 FT LAUDERDALE GABRIEL COMMUNICATION RADIO MAST
195 FT LAUDERDALE AT AND T OVERSEAS MICROWAVE
196 PLANTATION FLORIDA TURNPIKE RADIO MAST
197 PLANTATION MUNICIPAL TANK
198 FT LAUDERDALE COUNTY WATER TANK
199 FT LAUDERDALE SUNRISE BLVD MUNICIPAL TANK
200 FT LAUDERDALE CIVIL DEFENSE RADIO MAST
201 FT LAUDERDALE RADIO STATION WAVS MAST
202 CORAL SPRINGS WESTINGHOUSE RADIO MAST
203 FT LAUDERDALE BEACH WATER TANK
204 FT LAUDERDALE FIRST BAPTIST CHURCH SPIRE
204 FT LAUDERDALE SOUTHERN BELL MICROWAVE
205 PORT EVERGLADE FLORIDA POWER AND LIGHT STACK
206 FT LAUDERDALE BROWARD COUNTY INSTRUCTIONAL MAST
207 FT LAUDERDALE RADIO STATION WSRF MAST
208 FT LAUDERDALE FAA RML FLL MAST
209 HOLLYWOOD SOUTHERN BELL MICROWAVE
210 HOLLYWOOD S FLORIDA STATE HOSPITAL TANK
211 HOLLYWOOD RADIO STATION WJWA MAST
212 HOLLYWOOD E MUNICIPAL TANK
213 HOLLYWOOD W MUNICIPAL TANK
214 HOLLYWOOD TV STATION WWSM MAST
215 AIRPORT BEACON N PERRY AIRPORT
216 PALM BEACH WILTHORE HOTEL CUPOLA
216 HOTEL ALRA CUPOLA
217 WEED 2
217 WEED RM A
217 WEED RM S
218 KIDDLE
218 DELRAY RM 5
218 MAULOVER RM 1
219 MAULOVER RM 3
220 HOLLY 2
220 HOLLY 3
220 HOLLY 3 A POINT 1
221 HARVEY S 1 PBCSD
222 POLICE S 1 PBCSD
223 POLICE S 2 PBCSD
224 JERSEY 2 ECC S 1 PBCSD
225 DAWSON PBCSD
226 N ONE OF THREE RADIO MAST IN LINE
227 MIDDLE ONE OF THREE RADIO MAST IN LINE
228 S ONE OF THREE RADIO MAST IN LINE
229 H 030 DCPM
230 H 033 DCPM
231 H 034 DCPM
232 H 035 DCPM
233 H 036 DCPM
234 H 039 DCPM
236 H 040 DCPM
236 H 042 DCPM
237 H 047 DCPM
238 H 059 DCPM
239 H 071 DCPM
240 H 072 DCPM
241 H 083 DCPM
242 H 084 DCPM
243 N MIAMI SILVER TANK FINIAL
244 CWA MONUMENT 36TH ST BAY
245 DEERINGS FLAGPOLE
246 VIRGINIA
247 COCONUT GROVE BEACON NO 1
248 OPA LOCKA AIRPORT CONTROL TOWER ANTENNA
249 T545 RAJE SEC 31 SW CORNER
250 S MIAMI BEACH Velda FARMS TANK
251 MIAMI TV STATION WQXT MAST
252 MIAMI TV STATION WPLG MAST
253 MIRAMAH MUNICIPAL TANK
254 N MIAMI BEACH MUNICIPAL TANK
255 OJUS JADE WINOS VILLA SPIRE
256 MIAMI SCOTT PARK TANK
257 MIAMI RADIO STATION WIOD MAST
258 MIAMI RADIO STATION WIOD TOWER
259 MIAMI MUNICIPAL TANK
260 MIAMI UNITED CHURCH OF CHRIST SPIRE
261 BUNCHE PARK MUNICIPAL TANK
262 OPA LOCKA MUNICIPAL TANK
263 MIAMI AT AND T MICROWAVE KJM 70
264 CAROL CITY MUNICIPAL TANK
265 OPA LOCKA AIRPORT WATER TANK
266 HIALEAH SEAGARD COASTLINE RR TANK
267 HIALEAH RADIO STATION WWSM MAST
268 HIALEAH SCANDIA FURNITURE MFG CO TANK
269 HIALEAH EMPERIAL IND INC TANK

270 MIAMI SPRINGS FAA ARTCC MICROWAVE ZNA TOWER
271 MIAMI DIRIE BEDDING CO TANK
272 MIAMI CRAFTSMANS VILLAGE MFG CO TANK
273 MIAMI BEACH CROWN HOTEL ORNAMENT
274 MIAMI BEACH RADIO STATION WHAT TOWER
275 FLAGLER MONUMENT
275 MIAMI BEACH STAN IS GREEN WATER TOWER
276 CORAL GABLES COMMUNITY UTIL INC TANK
277 CORAL GABLES INCIN PLANT STACK
278 MIAMI RIVERSIDE BAPTIST CHURCH SPIRE
279 MIAMI SHENANDOAH PRESBYTERIAN CHURCH SPIRE
280 MIAMI RADIO STATION WOCN TOWER
281 MIAMI SEWAGE TREATMENT STACK
282 MIAMI SEWAGE TREATMENT TANK
283 COCONUT GROVE INCIN PLANT STACK
284 S MIAMI HOLSUM BAKERY TANK
285 MIAMI ST MARYS CATHOLIC CHURCH BELL TOWER DOME
286 VORTAC BISCAYNE BAY BSY
287 AIRPORT BEACON OPA LOCKA AIRPORT
288 AIRPORT BEACON MIAMI INTERNATIONAL AIRPORT
289 FOWEY ROCKS LIGHTHOUSE

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G12 G-14956
SUPPLEMENT F FOR CHART 1248
DIAGRAM DATED MARCH 1971

9358

*Retain for
new 1248*

80-07-00

25-56-00

NEWPORT 1971

ARLEN



HARBOR 1971

NATIONAL OCEAN SURVEY
A.L. POWELL, DIRECTOR
SPECIAL PROJECT:
DADE/BROWARD CO., FLA.
MARCH 1973
J.D. STACHELHAUS, CHIEF G-23

1"=2000'

80-07-00

25-53-30

9358