

19980824H1-RADAR

980824 H1 Bonnie

Modified Air-Sea interaction
experiment

2 Freyre 4's with 100 nm²
leas 15,000 ft altitude

up to 40 GPS drops

21 AXBTs

TO MacDill AFB

183425

dual PRF 2100/1400

0.375 us

201720

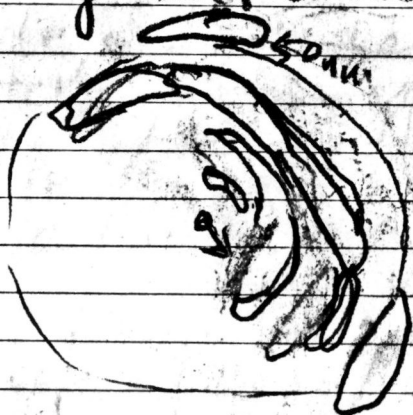
switch to 1600

single PRF

0.5 us

802811 start leg

only half a hurricane!!



②

2010 end leg

(double)
Pearl in

Strong band
lots of bumps

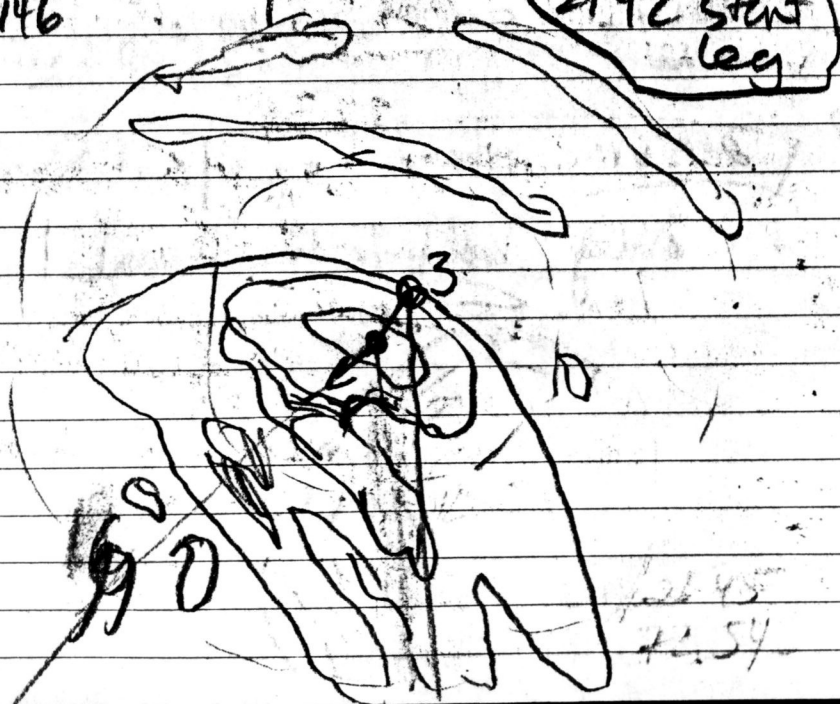
TK N along outer rampband
nice FAST data!!
and unbelievable in physics

213420 double pearl in mag N
stratiform area NE of G

21342 switch to continuous in
pearl

2146

2142 start
leg



③

23 80
1 40
G 2206 26°31'8" 72°53.6"
half a storm!!!

G N43 26°33' 72°53"

nothing SW and S of G

Start leg 225100 100nm S of
G

G 2312 26°40" 72°65"

end leg 2335 100nm N of G

Alternating TK 2236

new pt 7 NW of G 70nm

TK to G → 8 - 9 - G - old 7

no legs across the center
switching to FAST dual PRF
for the rest of the flight

TK along rampband to new 7

2252 Turn TK SW to G

G 0009 28°43" 72°55"

TK E to ⑧

④

0032 turn pearl in ramband
100nm E of S

F/AST and dual PRF

0046 100nm NE of center in
real intense ramband
lots of interesting near BB

physics $T_A = 0.6^\circ\text{C}$

0050 fix 225 to S

0056 45 - 0057 10 WOW!!!
what an up/down combo
YOUTH!!!

radar down in NE edge of eye

①

980826H Bonnie Landfall
TO MacDill
27 SI $82^\circ 30'$

crew Barnes
Marley
Aberson
Leighton
Kimberlain
Wroe

TO 102000 no dual-PRF
single PRF 1600 per
0.5 us request

110000 F/AST 50 nm from 1st
outer band

1107Z $32^\circ 40'$ $78^\circ 10'$ TEAL fix

1126Z descend to 12kft.
double ring eyewall
structure