

REFER FIRE AND EXPLOSION GROUP NOTES FOR FIRE DAMAGE

RW-1 (ATTACHED TO RW-4 BOTTOM SKIN)

E2013 (FOR LOCATION SEE WRITE-UP DATED 10/16/96)

RIGHT HAND WING TIP

PIECE CONSISTS OF UPPER AND LOWER SKINS, FROM APPROXIMATELY WS 1242 AND OUTBOARD, WITH PARTIAL RIBS AT WS 1252, 1280, 1308, 1336, 1364, 1392, AND 1454. V/C FLAPS #23, 24, 25, AND 26 AND ASSOCIATED FIXED LEADING EDGE STRUCTURE REMAIN ATTACHED, WITH SOME MINOR DAMAGE. THE FWD WING TIP SHOWS IMPACT DAMAGE, WITH THE TIP LIGHT TORN OUT. (THE TIP HF ANTENNA IS ITEM RW-22, DESCRIBED ELSEWHERE.)

THE FRONT SPAR IS FRACTURED AT WS 1243 IN LWR CHORD (APPARENT TENSION) AND WS 1242 IN UPPER CHORD (APPARENT COMPRESSION) WITH THE SPAR WEB TORN FROM THE UPPER

CHORD TO THE LOWER. THE FRONT SPAR IS BENT AFT APPROX 5 INCHES GRADUALLY FROM WS 1280 TO THE FRACTURE AREA.

THE REAR SPAR IS FRACTURED AT WS 1454, TORN AND CURLED AFT LOCALLY AT THE RIB POST FASTENER LINE.

TOP SKIN FRACTURE LINE STARTS AT REAR SPAR AT WS 1490, RUNS DIAGONALLY FORWARD AND INBOARD TO WS 1280, THEN RUNS FORWARD AND ENDS AT THE FRONT SPAR. (RW-9 IS THE MATING PIECE OF UPPER SKIN). STRINGERS, BOTH Z AND VENT, ARE FRACTURED AND MISSING INBD FROM APPROXIMATELY THE SAME FRACTURE LINE.

~~GENERALLY, NO BURNING OR SOURING IS NOTED ON THIS ENTIRE~~

~~PIECE, INCLUDING FRACTURE FACES.~~

Dennis Santiago IAM
11-26-96

ALPA
SD GREEN 11/02/96

77MCS
TW# 12-6-96

PA
10-29-96

D. ORTH - BOEING
10/24/96

Surface Impact Position of the right wing tip

Identified by tag # E2013 (and log books numbers RW01-top surface and RW04-bottom surface) found floating, picked up by the NOAA ship Rude on July 18th at 3:40am EDT at 40-39.329, and 72-37.038 Towed to Juniper 6:00am EDT at 40 38. 9, and 72 34.3

Research to define position of wing tip entering the water progressed through USCG, NOAA, and Woods Hole Oceanographic Institute. Oceanographic models of winds and currents could not be used to define the 7 hour float path with any precision. Therefore, location of the wing in the green debris field is based on the following associated information:

The right wing high frequency antenna (green tag Z3007 from area 1) has a lat / long reference of 40 39 47.25 and -72 37 21.90. This structure attaches to the very end of the wing tip; it could not physically remain with the main wing structure if the 18 ft wing tip had broken off.

The Collins HF antenna coupler p/n 777-1328-001; s/n 9L 145 arrived in FBI lot number 9-27-96-1 with wreckage log identifying "coupler antenna" and a lat/log reference of 40 39.54.4 and 72 37 33.7

These two wind structure attachments were closely spaced in the green debris field.

10/16/96
You Zetta FAA
10-29-96
SD GREEN ALIY
11/03/96