

DAILY/INITIAL FLIGHT TEST REPORT		1. AIRCRAFT TYPE	2. SERIAL NUMBER
		GZ-20 AIRSHIP	N10A
3. CONDITIONS RELATIVE TO TEST			
A. PROJECT/MISSION NO	B. FLIGHT NO/DATA POINTS	C. DATE	
		30 SEPT 88	
D. FRONT COCKPIT (Left Seat) BASS, DANNER, WILSON, HILBURN	E. FUEL LOAD enough	F. JON	
G. REAR COCKPIT (Right Seat) MR THOMAS MATOS	H. START UP GR WT/CG 0 - neutral buoyancy	I. WEATHER	
J. TO TIME/SORTIE TIME 1715 / 0.8	K. CONFIGURATION/LOADING CLEAN, 7 PAX	L. SURFACE CONDITIONS	
M. CHASE ACFT/SERIAL NO	N. CHASE CREW	O. CHASE TO TIME/SORTIE TIME	
4. PURPOSE OF FLIGHT/TEST POINTS EVALUATE AIRCRAFT FOR OBSERVATION AND GND ATTACK MISSION.			
5. RESULTS OF TESTS (Continue on reverse if needed)			
<p>AIRCRAFT SUITABLE FOR PEACETIME OBSERVATION ALTHOUGH THERE'S NO QUESTION THAT IT'S COMING, (NO SURPRISE). UNSUITABLE FOR GND ATTACK DUE TO LACK OF PAYLOAD, WEAPONS DELIVERY SYSTEM, HIGH SPEED CAPABILITY, DEFENSIVE ABILITY, AND COMBAT SURVIVABILITY (UNLESS THEY'RE USING RUBBER BULLETS).</p> <p>COCKPIT IS ROOMY AND SEATS ARE VERY COMFORTABLE. VIEW OF VIEW IS EXCELLENT EXCEPT FROM 4:30 TO 7:30 AND ^{FWD} OVERHEAD WHICH ARE NON EXISTENT. FLT INSTRUMENTS ARE LARGE AND EASY TO READ AND CAPABLE OF INSTRUMENT FLIGHT. FLT CONTROLS CONSISTED OF RUDDER PEDALS, PITCH CONTROL WHEEL, AND PULL WIRES TO ADJUST AIR INPUT/OUTPUT INTO FWD AND AFT AIR BAGS. (THIS SHIFTS HELIUM BAG FWD AND AFT TO ADJUST TRIM). F+BO OF RUDDER PEDALS WAS ABOUT 1/2"-1" AND 25 lbs. FULL RUDDER DEFLECTION AT 45 KIAS RESULTED IN A TURN RATE OF APPROXIMATELY 6 DEGREES PER SECOND AND RUDDER WOULD LOCK OUT ONCE ESTABLISHED. BOTH AXES HAD CONSIDERABLE LAG ON CONTROL INPUTS RESULTING IN CONSIDERABLE PILOT COMPENSATION TO ROLL OUT ON HEADING OR LEVEL ATTITUDE. ABOUT 3 SEC TIME CONSTANT IN TURNS AND 5-8 SEC IN PITCH. LANDING AND TAKEOFF WAS OBSERVED AND REQUIRES CONSIDERABLE PILOT EXPERIENCE, OPEN REAL ESTATE, AND NUMEROUS GROUND PERSONNEL. FUEL CONSUMPTION ALLOWS FOR SUBSTANTIAL ENDURANCE, 10 HRS+, BUT RANGE IS LIMITED BY LOW CRUISE SPEED (MAX 50 KTS). GOOD FOR COASTAL OBSERVATION MISSION BUT NOT GOOD FOR OUT TO SEA VERY FAR UNLESS ACCOMPANIED BY SURFACE SHIPS FOR FUEL + CREW CHANGES, MAX ANGLE OF CLIMB AND DIVE IS IN EXCESS OF 45 DEGREES WHICH PRESENTS AN IMPRESSIVE PICTURE BUT WOULD ONLY BE SO AS LONG AS ENEMY DIDN'T REALIZE THAT THEY WERE LOOKING AT A BIG BAG OF GAS.</p> <p>GROUND HANDLING REQUIRED EXTENSIVE MANPOWER - A GOOD PLACE TO PUT FOLKS ON THE FAT BOY PROGRAM - 9-12 PERSONS REQUIRED.</p>			
6. RECOMMENDATIONS			
<ol style="list-style-type: none"> 1. PUT SURFACE SURVEILLANCE RADAR ON AIRCRAFT FOR SURFACE TARGET LOCATION. 2. USE FOLKS IN THE FAT BOY PROGRAM AS GROUND HANDLERS/BALLAST 			
COMPLETED BY		SIGNATURE	DATE
G. BASS / M. HILBURN / E. WILSON / J. DANNER		<i>[Signatures]</i>	32 SEP 88