SQUADRON ..... A/C NUMBER AND LETTER O. CAPTAIN F/O Hickey NAVIGATOR F/S COCKRAM DATE 16/8/44

FORECAST W/Vs AND AIR TEMPS.

STAGE	FROM / TO	.000 FT From (T) / Speed / TEMP °C	.000 FT From (T) / Speed / TEMP °C	.000 FT From (T) / Speed / TEMP °C	.000 FT From (T) / Speed / TEMP °C	.000 FT From (T) / Speed / TEMP °C
		Track	Miles	980		
		Air	Miles.	1061		

POSITION	SUN RISES	SUN SETS	MOON RISES	MOON SETS	TWILIGHT A.M.	TWILIGHT P.M.

FORM 441

WATCH ..... fast / slow AT ..... GMT. ON ..../..../.... GD. RATE ..... secs./hr. gaining / losing

ORDERS .....

H = 0010 WAVE 4 - 0016 - 18

TIME	RQD TRACK (T)	W/V USED AND COMPUTED DRIFT	Course (T)	VARN	Course (M)	Compass Corrn. for Devn.	Course (C)	ROUTE FROM:—	TO:—	R.A.S.	HEIGHT & AIR TEMP.	T.A.S.	D.R. G/S	DIST. TO RUN	D.R. TIME	E.T.A.
2210	110	260/15	112	✓				BASE	—A HORNSEA	172	2 +14	178	192	14	4½	2214½
	086	260/15	086	✓				HORNSEY	A—B 5405 0400E	172	2 +14	178	194	168	52	2306½
	072	230/25	075					5405 0400E	B—C 0500E	172	2 +14	178	201	42	12½	2319
	072	230/38	076					0500E	C—D 5440 0700E	162	2 -14 / 10 +1	190	225	84	22½	2341½
	102	230/47	111					5440 0700E	D—E 5430 0820E	162	14 -18 / 17 -13	214	240	55	13¾	2355¼
	083	230/48	090					5430 0820E	E—F 5437 0950E	162	18 -15	217	256	60	14	0009¼
	148	230/48	160					5437 0950E	F—Δ KIEL	162	18 -15	217	205	23	6¾	0016
									—							
	193	230/47	199					KIEL	Δ—G 5410 1005E	192	18 -17 / -13	253	215	11	3	0019
	285	230/43	278					5410 1005E	G—H 5424 0840E	222	17 -11 / 4 -7	278	253	59	14	0033
	285	232/33	279					5424 0840E	H—J 5440 0700E	222	11 -5 / 8 +5	253	231	69	18	0051
	252	235/30	250					5440 0700E	J—K 5405 0400E	182	5 +11	200	171	126	44	0135
	266	255/20	265					5405 0400E	K—L HORNSEY	182	5 +11	200	180	168	56	0231
	290	255/20	287					HORNSEY	L— BASE	182	5 +11	200	183	14	4½	0235½
									—							
	090	140/30	096						—	162	14 -18 / 17 -13	214	193	51	16	
									—							
									—							

NAVIGATIONAL OBSERVATIONS (Pin Points, Fixes, Position Lines, Actual T.M.G. Actual Drift, G/S and W/V Manoeuvres, etc.)	GENERAL (Met. Conditions, Bombing, Intell., Enemy Action)
Watches Synchronised W/T Go.	893.
	87
	980
	124
	88
	66
	57
	14
	76
	67
	67
	355
	87
	1061

2½
14
146½

Signed ..... Navigator.

SQUADRON .... A/C NUMBER AND LETTER .... CAPTAIN .... NAVIGATOR .... DATE ..../..../....

FORECAST W/Vs AND AIR TEMPS.					
STAGE (FROM / TO)	.000 FT From (T) Speed TEMP °C	.000 FT From (T) Speed TEMP °C	.000 FT From (T) Speed TEMP °C	.000 FT From (T) Speed TEMP °C	.000 FT From (T) Speed TEMP °C

POSITION	SUN RISES	SUN SETS	MOON RISES	MOON SETS	TWILIGHT A.M.	TWILIGHT P.M.	FORM 441

WATCH .... fast / slow AT .... GMT. ON ..../..../.... GD. RATE .... secs./hr. gaining / losing

ORDERS ....

TIME	RQD TRACK (T)	W/V USED AND COMPUTED DRIFT	Course (T)	VARN	Course (M)	Compass Corrn. for Devn.	Course (C)	ROUTE FROM:— TO:—	R.A.S.	HEIGHT & AIR TEMP.	T.A.S.	D.R. G/S	DIST. TO RUN	D.R. TIME	E.T.A.
								13 / 4 / 29							

TIME	RQD TRACK (T)	W/V USED AND COMPUTED DRIFT	Course (T)	VARN	Course (M)	Compass Corrn. for Devn.	Course (C)	NAVIGATIONAL OBSERVATIONS (Pin Points, Fixes, Position Lines, Actual T.M.G. Actual Drift, G/S and W/V Manoeuvres, etc.)	GENERAL (Met.Conditions, Bombing, Intell., Enemy Action)	R.A.S.	HEIGHT & AIR TEMP.	T.A.S.	D.R. G/S	DIST. TO RUN	D.R. TIME	E.T.A.
								Watches Synchronised W/T Go. GEE	OK VP Loaded							
2155								AIRBORNE	DR synch + VSC							
2210	110	260/15	112					BASE s/c A		172	2 +4	178	192	14	4½	2214½
2210								+ B 86 D ·42	Δ 5400 0028W							
								5401 0028W Reset.	H –							2306½
2214½	086	260/15	086	□ A s/c B	NAV LIGHTS OUT	172	2 +4	178	194	168	52	2306½
2216								+								
2218									BOMBS FUSED.							
2228								+ Δ	5400, 0019E							
								W/V	299/15/18							
2234								+ Δ	5401, 0116½E.							
								W/V	278/12½/24							
2240								+ Δ	5402½, 0144E							
								G/S (12) W/V	270/11/30.				190	87	27½	2307½
2246								+ o Δ 5404	0212E.							
								W/V	275/5/36							
2252	089	275/5	089					□ A/C B Δ 5405	0239E.	182	2 +4	188	193	52½	16¼	2308¾
2252								+ Reset	0 9½E					48	15	2307
2258								+ Δ 5405	0317½E							
2304								+ Δ 5405½,	0347E.							
								W/V	122/12½/12							
2310	072	122/12½	075					□ A/C C (2319)		182	2 +4	188	180	34½	11½	2321
2314								+ Δ	5406½ 0421E							
								W/V	127/12½/19					31½	10½	2321½
2316								+ G/S					200	14	4¼	2320
2320	072	127/20	077					□ C A/C D. (2341½)	7 late	162	2 -14 / -30 +1 / 4000	170	178	84	28½	2348
2322								+ Δ	5414, 0573E							
								W/V	/ /							
2328								+ Δ	5418 0541E							
								W/V	140/12/36				178	60	20	2348
2341	090	140/30	096					D A/C to gain time		162	14-18 / -13 -13	214	193	51	16	2357

Signed .... Navigator.

0025 (1)

TIME	RQD TRACK (T)	W/V USED AND COMPUTED DRIFT	Course (T)	VARN	Course (M)	Compass Corrn. for Devn.	Course (C)	NAVIGATIONAL OBSERVATIONS (Pin Points, Fixes, Position Lines, Actual T.M.G. Actual Drift, G/S and W/V Manoeuvres, etc.)	GENERAL (Met. Conditions, Bombing, Intell., Enemy Action)	R.A.S.	HEIGHT & AIR TEMP.	T.A.S.	D.R. G/S	DIST. TO RUN	D.R. TIME	E.T.A.
2357	102½	140/30	107					□ A/C E		162	17-18 -13	218	192	24	7½	0004½
0001	083	140/30	089					□ A/C F		162	18 -15	217	200	60	18	
0003½								+ 137 — 12	Δ 5419 0245							
			EVAS					5430 0235E	W/V 152/11½							
			ACTION.					Reset + 11N 10W								
0009½								+ 113 — 9½					200	32	9½	0020
0010½			089					A/c orig.								
0013½								+ 229 — 10½	Δ 5422 0235E							
									W/V 115/49							
								VIS Run on target								
0018½								Bombs gone. 18100								
								165								
								110 T								
0019			099					Δ A/C G								
0022	285	115/49	283					Δ A/C H		222	17-14 -7	278	225	59	11	0033
0028								+ 205 — 11	Δ 5410 0926½							
0032½								+ 075 — 6	Δ 5413½ 0859E							
									W/V 170/8							
0036½								Crossing Coast.								
0038½	285	170/8.	283					□ H A/C J.		197	11 -8 +5	284	228	69	18	0054½
0040								Kite going down into rear.								
0042½								+ 025 NEW. 165	Δ 5422 0801E							
0045½			323					A/c 40 S. regain track								
0048½			283					Resume Course								
								+ 331 — 28½	Δ 5433 0730E					23	6	0054½
0054½	252	270/8	250					□ J A/c K		182	S +11	200	199	126	38	0132½
0103								+	Δ 5430½ 0614E							
									Reset 2½N 20E.							
0108									Δ 5428 0610E							
0123								+	Δ 5413 0458½							
								G/S	W/V 296/18	20			199	7	2	0125½
0125	266	296/18	268					□ A/c L		182	S +1	200	186	266	66½	0231½
0133								+	Δ 5408 0440E							
									W/V 303/20	30						
0145								+	Δ 5406 0310E							
								Reset 9S 1RE	W/V 310/22	4½						
0151	271	310/22	275					□ A/c L		182	S +1	200	182	128	42	0233
0151								+								
0203								+	Δ 5359½ 0200E							
								G/S	W/V 305/23. 18				185	93	30	0233
0209								+								
0224								+	Δ 5404 0030E.							
									W/V 293/23. 36					52	17	0238.
0223								A/c 270 T for BASE								
0229								+								
0231								A/c 273 T						32	10	0241.
0241								Homing on GEE								
0255								BASE.								
								Landed.								

Signed ..... Navigator.

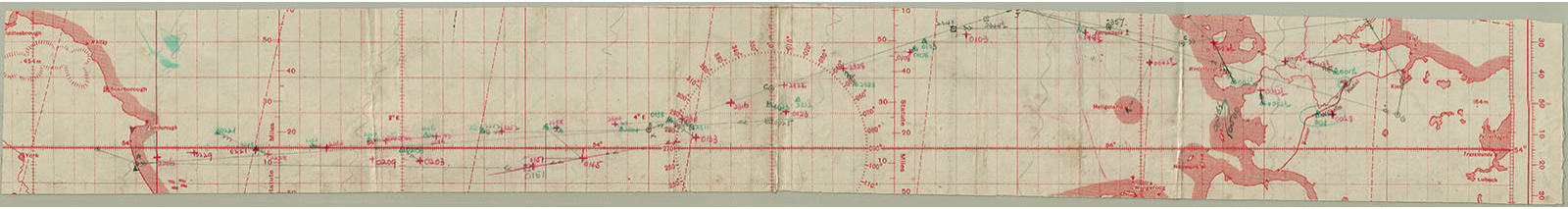
SQUARE SEARCH HEIGHT..... T.A.S..... VIS..... m

TRACK T.	W/V USED	Course (T)	VARN	Course (M)	Corrn. for Devn.	Course (C)	D.R. G/S	DIST.	D.R. TIME	T.T.T.	DIST.	D.R. TIME	T.T.T.
								2V			6V		
								2V			6V		
								4V			8V		
								4V			8V		

MEMORANDA

684

159


Eddleman
Abilene
Sweetwater
Roscoe
Snyder
Colorado City
Big Spring
Stanton
Midland
Odessa
Monahans
Pecos
Fort Stockton
Sanderson
Marfa
Alpine
Marathon
Presidio
Del Rio
Eagle Pass
Laredo
Corpus Christi
Kingsville
Alice
Falfurrias
Brownsville
Harlingen
McAllen
Rio Grande City
Hebbronville
Freer
Encinal
Cotulla
Carrizo Springs
Uvalde
Hondo
San Antonio
Seguin
Gonzales
Victoria
Port Lavaca
Matagorda
Bay City
Wharton
Rosenberg
Houston
Galveston
Texas City
Lake Jackson
Angleton
Alvin
Pearland
Pasadena
Baytown
Beaumont
Port Arthur
Orange
Lake Charles
Jennings
Abbeville
New Iberia
Lafayette
Opelousas
Eunice
Crowley
Rayne
Kaplan
Morgan City
Houma
Thibodaux
Donaldsonville
Gonzales
Baton Rouge
Plaquemine
New Orleans
Slidell
Gulfport
Biloxi
Pascagoula
Mobile
Pensacola
Destin
Panama City
Apalachicola
Tallahassee
Quincy
Chattahoochee
Bainbridge
Albany
Dothan
Eufaula
Montgomery
Selma
Tuscaloosa
Birmingham
Anniston
Gadsden
Rome
Cedartown
Cartersville
Marietta
Atlanta
Gainesville
Athens
Elberton
Augusta
Aiken
Columbia
Florence
Darlington
Sumter
Georgetown
Myrtle Beach
Conway
Lumberton
Fayetteville
Wilmington
Jacksonville
Camp Lejeune
New Bern
Greenville
Rocky Mount
Roanoke Rapids
Weldon
Henderson
Oxford
Durham
Raleigh
Goldsboro
Kinston
Chapel Hill
Burlington
Greensboro
Winston-Salem
Statesville
Hickory
Lenoir
Boone
Asheville
Spartanburg
Greenville
Anderson
Clemson
Seneca
Walhalla
Greenwood
Laurens
Newberry
Lexington
Columbia
Camden
Florence
Dillon
Marion
Lake City
Kingstree
Georgetown
Charleston
Beaufort
Hilton Head
Savannah
Hinesville
Brunswick
Waycross
Valdosta
Moultrie
Tifton
Cordele
Perry
Macon
Milledgeville
Sandersville
Dublin
Vidalia
Swainsboro
Statesboro
Metter
Claxton
Reidsville
Danville
Martinsville
Bassett
Rocky Mount
Wilson
Smithfield
Clayton
Fuquay-Springs
Sanford
Pittsboro
Siler City
Asheboro
Thomasville
High Point
Lexington
Salisbury
Concord
Kannapolis
Gastonia
Shelby
Rutherfordton
Forest City
Spindale
Rockingham
Laurinburg
Lumberton
Whiteville
Tabor City
Conway
Myrtle Beach
Georgetown
Charleston
Beaufort
Hilton Head
Savannah
Hinesville
Brunswick
Waycross
Valdosta
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Tifton
Cordele
Perry
Macon
Milledgeville
Sandersville
Dublin
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Swainsboro
Statesboro
Metter
Claxton
Reidsville
Danville
Martinsville
Bassett
Rocky Mount
Wilson
Smithfield
Clayton
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Siler City
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Rockingham
Laurinburg
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Whiteville
Tabor City