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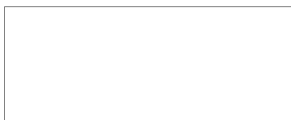


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Imagery analysis report

Summary of Air Activity, Guangzhou Air District, China (S)

Top Secret



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SUMMARY OF AIR ACTIVITY, GUANGZHOU AIR DISTRICT, CHINA (S)

ABSTRACT

1. (S/D) This report summarizes significant air activity and upgrading of airfield facilities in the Guangzhou Air District (GAD) of China between [redacted]. The GAD is in southeastern China and shares a common border with Vietnam. It consists of Hunan, Guangxi, and Guangdong Provinces (including Hainan Island and the Paracel Islands).

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2. (S/D) Unless otherwise noted, information in this report has been obtained through the analysis of satellite imagery. This report includes two maps, ten annotated photographs, and three tables.

INTRODUCTION

3. (S/D) Shortly before and during the Chinese/Vietnamese conflict, the numbers and type of aircraft increased at airfields in the GAD close to Vietnam. Defense of these airfields was also upgraded with the deployment of additional occupied surface-to-air missile (SAM) and anti-aircraft artillery (AAA) sites.

4. (S/D) After the conflict, the air order of battle (AOB) and defenses at the airfields returned to normal. Since then, construction of hardened facilities¹ at airfields in the GAD has been observed along with a redeployment of numbers and type of aircraft within the GAD and an influx of new types of aircraft as well.

5. (S/D) There are 21 operational airfields in the GAD subordinate to the Chinese Air Force (CAF) and the Chinese Naval Air Force (CNAF). Eighteen of the airfields are permanently occupied. China continues to upgrade the electronic navigational aids at some of these airfields with the use of precision approach radars (PAR). All of the CAF and CNAF airfields with the exception of Guiping/Meng-hsu have nondirectional beacons (NDB; Figure 1 and Table 1).

CAF/CNAF Airfield-Associated AW Radar (within 5 nm)

6. (S/D) At least one AW radar facility is within a 5-nm radius of 18 of the 21 airfields. One exception, Shoaguan Airfield, has a radar facility within 12 nm of the airfield. No radar facilities were observed near Leiyang or Guiping/Meng-hsu Airfields (Table 2).

7. (S/D) There are 32 civil, utility, and helicopter airfields in the GAD. Guangzhou Baiyun is the only international airfield in the GAD and is considered a civil airfield under the authority of the Chinese Air Administration of China (CAAC). It is the only airfield in the GAD with a complete instrument landing system (ILS; Figure 2 and Table 3).

Significant Air Activity

8. (S/D) China is improving the units at its airfields with increased numbers and types of aircraft, including BADGER, FISHBED, and FANTAN A. FARMER aircraft with air-to-air missile (AAM) capability have been observed in increasing numbers at some of the CAF/CNAF airfields in the GAD.

9. (S/D) Three BADGER aircraft were observed at Leiyang Airfield on [redacted]. This was the first time BADGER aircraft had been seen in the GAD. Three to seven BADGER have been seen on subsequent coverage (Figure 3).

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10. (S/D) FISHBED and FANTAN A aircraft were observed for the first time in the GAD on [redacted]. This was approximately two weeks before the Chinese incursion into Vietnam.

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11. (S/D) Twenty-three FANTAN A and 11 FISHBED were observed for the first time at Tianyang Airfield on [redacted]. The FISHBED and FANTAN had departed. Between [redacted] and [redacted] 20 FANTAN were again seen at this airfield (Figure 4). Since [redacted] up to 13 FARMER G with wingtip-mounted pylons have also been observed here (Figure 5).

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12. (S/D) Seventeen FANTAN A and 16 FISHBED were observed for the first time at Nanning/Wuyu Airfield on [redacted]. Since then, eight to ten FISHBED have been observed at this airfield (Figure 6). Also, on [redacted] approximately six AAM-capable FARMER D Variants² were observed at this airfield.

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13. (S/D) Twenty-four FANTAN A aircraft were observed at Huiyang Airfield on [redacted]. Varying numbers of FANTAN A have been seen on subsequent coverage (Figure 7). This airfield was not usually occupied, and no AOB had been seen here since [redacted].

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14. (S/D) Ten FISHBED aircraft (Figure 8) were first observed at Lingshui Airfield on [redacted]. This is the first CNAF airfield to receive FISHBED aircraft of which eight to 12 have been seen on subsequent coverage. This acquisition significantly upgraded the capabilities of the unit at this airfield.

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15. (S/D) Six probable AAM on dollies were observed at Suixi Airfield on [redacted]. The AAM were near five FARMER on an alert apron near the southwest end of the runway. Probable pylons were outboard of the wing tanks on at least one of the FARMER.

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FIGURE 1. LOCATIONS OF PRCAF AND PRCNAF AIRFIELDS

Table 1.
PRCAF and PRCAF Airfields
(Keyed to Figure 1)

This table in its entirety is classified

Item	Unit*	Airfield Name/BE/Coordinates	Runway Dimensions (m) Orientation/ Surface	Order of Battle/ Date	Landing Aids	No of Occupied Sites CSA-1/AAA	No of Aircraft Storage Tunnels	Remarks	Item	Unit*	Airfield Name/BE/Coordinates	Runway Dimensions (m) Orientation/ Surface	Order of Battle/ Date	Landing Aids	No of Occupied Sites CSA-1/AAA	No of Aircraft Storage Tunnels	Remarks	
Guangzhou MR Hq									42nd Division (CAF)									
5th Division (CAF)									8th Division (CNAF)									
1	5th Division Hq 13th 14th or 15th Regt	Huiyang Airfield 23-02-53N 114-35-56E	2,438x64 E/W Concrete	24 FANTAN 2 FARMER 21 FAGOT/ FRESKO	NDB			Hardened fac ucon	11	125th, 126th, Regt Ind Sq	Nanning/Wuyu Airfield 22-36-33N 108-10-37E	2,408x61 NE/SW Concrete	10 FISHBED 50 FARMER 7 FRESKO 6 MIDGET 1 TRIDENT 1 COLT	NDB	1 CSA-1		Hangarrettes & various types of hardened fac ucon	25X1 25X1
2	9th Div Hq 25th Regt 26th Regt 27th Regt Ind Sq	Guangzhou/Shadi Airfield 23-04-57N 113-04-16E	2,347x61 N/S Concrete	39 FARMER 13 FAGOT/ FRESKO 1 COLT	NDB	1 CSA-1 3 AAA			12	124th Regt	Ningming Airfield 22-07-11N 107-07-35E	2,245x49 ENE/WSW Concrete	None since	NDB	7 AAA		Hangarrettes & hardened fac ucon	25X1 25X1 25X1
3	18th Div Hq 53rd Regt 54th Regt	Changsha/Daduo Airfield 28-04-12N 112-57-30E	2,195x61 NNW/SSE Concrete	66 FARMER 21 FAGOT/ FRESKO 3 CRATE 3 COLT	NDB		2 tunnel entrances		13	5th Ind Regt	Guilin/Lijiacun Airfield 25-11-36N 110-19-12E	2,286x46 N/S Concrete	22 BEAGLE (5 Variants) 1 FRESKO 2 COLT	Prob PAR NDB		1 under- ground fac (prob not aircraft storage)	AAA at nearby Er-Tang Airfield & Guilin Inf Div Hq BE	25X1 25X1
4	52nd Regt	Xupu Airfield 27-55-55N 110-39-51E	2,195x49 NE/SW Concrete	33 FARMER 18 FRESKO	PAR NDB				CNAF									
5	35th Div Hq 103rd Regt 105th Regt Ind Sq Ind Sq	Xingning Airfield 24-08-56N 115-45-27E	2,256x52 NNW/SSE Concrete	15 FARMER 45 FAGOT/ FRESKO	NDB				14	8th Division Hq 22nd, 23rd, or 24th Regt	Lingling Airfield 26-20-23N 111-36-44E	2,591x55 N/S Concrete	25 FARMER 40 FAGOT/COLT FRESKO	NDB				25X1 25X1 25X1
6	104th Regt	Shantou Airfield Northeast 23-25-36N 116-45-39E	2,012x67 NE/SW Concrete	36 FARMER	Prob PAR NDB	3 AAA		Bunker ucon	15	22nd, 23rd, or 24th Regt	Chia-hsi-shih Airfield 19-41-47N 109-43-37E	2,499x49 SE/NW Concrete	26 FARMER 2 FAGOT/ FRESKO	NDB				25X1 25X1 25X1
7	48th Division (CAF) 48th Div Hq 142nd Regt 143rd Regt 36th Div 107th Regt	Leiyang Airfield 26-35-13N 112-53-35E	2,865x64 NE/SW Concrete	7 BADGER 39 BEAGLE 1 COLT	PAR NDB		2 tunnel entrances		16	9th Division Hq 25th, 26th, or 27th Regt Unid Element 25th, 26th or 27th Regt	Lingshui Airfield 18-29-47N 109-59-18E Folo Airfield Northeast 18-41-31N 109-09-41E	2,499x64 SE/NW Concrete	10 FISHBED 24 FARMER 2 COLT	Prob NDB	6 AAA Sites			25X1 25X1 25X1
8	144th Regt	Shaoyang/ Li-shih-tang Airfield 27-13-31N 111-40-18E	2,804x52 NE/SW Concrete	26 BAT	Prob PAR NDB		3 tunnel entrances & 1 prob not for aircraft		17	4th Ind Regt 2nd Ind Sq 4th Ind Sq	Haikou Airfield 20-01-17N 110-20-47E	2,012x58 E/W Concrete	6 BEAGLE 4 FARMER 15 FAGOT/ FRESKO 1 CAB 8 COLT 6 HOUND	NDB	3 AAA sites	2 tunnel entrances		25X1 25X1 25X1
9	7th Air Army 2nd Division (CAF) 2nd Div Hq 4th, 5th, or 6th Regt	Suixi Airfield 21-23-42N 110-12-04E	2,765x79 NE/SW Concrete	35 FARMER 14 FAGOT/ FRESKO 1 COLT 1 HOUND	NDB	5 AAA		Runway has been extended; hangarrettes ucon	18	Unoccupied	Guijeng/Meng-hsu Airfield 23-19-44N 110-00-34E	2,900x70 E/W Concrete				2 tunnel entrances ucon	1 CRATE aircraft seen on	25X1 25X1
10	4th, 5th, or 6th Regt	Tianyang Airfield 23-43-11N 106-57-45E	2,195x43 NW/SE Concrete	36 FARMER 13 FAGOT/ FRESKO	NDB		2 tunnel entrance	FANTAN observed had not been seen since hardened various types of fac ucon	19	Unoccupied	Liuzhou Airfield 24-16-38N 109-23-04E	2,164x61 N/S Asphalt	1 BAT 27 FAGOT/ FRESKO	PAR		1 tunnel entrance		25X1 25X1 25X1
									20	Unoccupied	Shaoguan Airfield 24-58-40N 113-25-11E	2,195x46 NNW/SSE Concrete		NDB		2 tunnel entrances		25X1 25X1 25X1

*All military unit designations and subordinations in this report are derived from a collateral reference.



FIGURE 2. LOCATIONS OF CIVIL, UTILITY, AND HELICOPTER AIRFIELDS IN CHINA

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Table 2.
CAF/CNAF Airfield-Associated AW Radar Within a 5-nm Radius of the Airfields*This table in its entirety is classified SECRET/WNINTEL*

Item	Airfields	Associated AW Facility/BE	
1	Nanning/Wuyu	Ping-shan-tun AW Radar Fac [REDACTED]	
2	Ningming	Ningming AW Radar Fac West [REDACTED] Ningming AW Radar Fac West [REDACTED] Ningming AW Radar Fac West [REDACTED]	25X1 25X1 25X1 25X1
3	Suixi	Suixi Afld AW Radar Fac [REDACTED]	25X1
4	Tianyang	Tianyang AW Radar Fac [REDACTED]	25X1
5	Guangzhou/Shadi	Guangzhou/Shadi Afld AW Radar Fac [REDACTED]	25X1
* 6	Shaguan	12nm SSE of Airfield Shaoguan AW Radar Fac [REDACTED]	25X1
7	Changshia Daduo	Changsha Daduo Afld AW Radar Fac [REDACTED]	25X1
8	Xupu	Xupu Afld AW Radar Fac [REDACTED]	25X1
9	Xingning	Xingning Afld AW Radar Fac [REDACTED] Xingning Poss AW Radar Fac [REDACTED]	25X1 25X1
10	Shantou Northeast	Shantou AW Radar Fac [REDACTED]	25X1
11	Huiyang	Huiyang Radar Fac [REDACTED]	25X1
12	Guipeng/Meng-hsu		
13	Shaoyang		
14	Leiyang	Leiyang Afld AW Radar Fac [REDACTED]	25X1
15	Guilin/Li-chia-tsun	Li-chia-tsun AW Radar Fac [REDACTED] Guilin/Lijiacun Afld AW Radar Fac [REDACTED]	25X1 25X1
16	Luizhou	Luizhou Radar Fac [REDACTED]	25X1
17	Lingshui	Lingshui Afld AW Radar Fac [REDACTED] Lingshui Afld AW Radar Fac [REDACTED] Lingshui Afld AW Radar Fac SE [REDACTED] Lingshui AW Radar Fac [REDACTED] Lingshui AW Radar Fac SE [REDACTED]	25X1 25X1 25X1 25X1 25X1 25X1
18	Folo	Folo Afld NE AW Radar Fac [REDACTED]	25X1
19	Lingling	Lingling AW Radar Fac [REDACTED]	25X1
20	Chia-lai-shih	Chia-lai-shih Afld AW Radar Fac [REDACTED]	25X1
21	Haikou	Qionshan AW Radar Fac [REDACTED]	25X1

*Closest AW radar is 12 nm.

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Table 3.
Civil, Utility, and Helicopter Airfields
(Items keyed to Figure 2)

This table in its entirety is classified SECRET/WNINTEL.

Item	Installation	BE No/Coordinates
22	Guangzhou/Baiyun Airfield	[REDACTED] 23-11-00N 113-15-58E
23	Bose Airfield	[REDACTED] 23-53-20N 106-38-52E
24	Changde Airfield	[REDACTED] 28-55-28N 111-38-22E
25	Chengbu Airfield	[REDACTED] 26-23-00N 110-18-50E
26	Ching-hsien Airfield	[REDACTED] 26-34-15N 109-41-00E
27	Chuanbu Airfield Ucon	[REDACTED] 22-35-10N 111-38-30E
28	Danzhu Airfield	[REDACTED] 23-28-45N 110-32-07E
29	Daoxian Airfield	[REDACTED] 25-33-15N 111-36-15E
30	Dayandang Airfield	[REDACTED] 29-44-15N 111-38-15E
31	Erh-Tang Airfield	[REDACTED] 25-12-45N 110-17-09E
32	Folo Airfield	[REDACTED] 18-29-53N 108-50-05E
33	Guangzhou East Airfield	[REDACTED] 23-09-52N 113-22-09E
34	Guangzhou/Tianhe Airfield	[REDACTED] 23-08-19N 113-19-04E
35	Guiping Airfield	[REDACTED] 23-19-50N 110-05-20E
36	Hengyang Airfield	[REDACTED] 26-54-18N 112-37-38E
37	Ho-chia-tang Airfield	[REDACTED] 28-59-30N 112-49-30E
38	Huangpu Airfield	[REDACTED] 23-07-56N 113-23-40E
39	Huanjiang Airfield	[REDACTED] 24-51-00N 108-14-00E
40	Jing Xian Airfield North	[REDACTED] 26-38-45N 109-40-00E
41	Kuan-tu-hsu Airfield	[REDACTED] 24-17-50N 113-57-10E
42	Nanning Airfield	[REDACTED] 22-48-39N 108-20-23E
43	Qionghai Prob Airfield Ucon	[REDACTED] 19-15-06N 110-28-45E
44	Shantou Airfield	[REDACTED] 23-21-55N 116-42-18E
45	Shaoyang Airfield	[REDACTED] 27-14-26N 111-26-09E
46	Tongren Airfield	[REDACTED] 27-53-10N 109-18-40E
47	Yai-hsien Airfield	[REDACTED] 18-17-20N 109-27-44E
48	Yongxing Airfield	[REDACTED] 26-06-50N 113-17-05E
49	Yuanjiang Airfield	[REDACTED] 28-53-40N 112-27-00E
50	Yueyang Airfield	[REDACTED] 29-25-30N 113-02-50E
51	Yulin Airfield West	[REDACTED] 22-36-31N 110-05-19E
52	Zhanjiang Airfield	[REDACTED] 21-12-56N 110-21-33E
53	Zhijiang Airfield	[REDACTED] 27-26-24N 109-41-55E

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20. (S/D) Extensions to both ends of the runway have been identified at Suixi Airfield. Other facilities under construction at this airfield included four hangarettes (Figure 10), a large parking apron near the southwest end of the runway, and a large parking/refueling apron connecting the northeast end of the runway with the parallel taxiway. A small parking apron was being constructed adjacent to the parallel taxiway near the maintenance area.

21. (S/D) A large multiwing bunker (Figure 11) used for possible command and control and 12 small arch-roofed structures (Figure 12) were under construction near the operations/support area. Two large facilities were also being constructed near the northwest dispersal parking revetments, and a double, concrete, arch-roofed structure was being constructed near the southeast end of the runway.

22. (S/D) A single concrete arch-roofed facility was under construction at Shantou Airfield near the southwest end of the parallel taxiway. A similar facility was under construction at Huiyang Airfield near the west end of the taxiway.

Underground Storage Facilities

23. (S/D) Aircraft storage tunnels or underground storage facilities have been completed at eight CAF/CNAF airfields in the GAD. Underground facilities were under construction at Guiping/Meng-hsu Airfield.

SAMs and AAA

24. (S/D) Four airfields in the GAD are currently defended by SAMs. One CSA-1 site is deployed near Nanning/Wuyu Airfield. Guangzhou Baiyun, Guangzhou Shati, and Guangzhou East are defended by three CSA-1 sites deployed around Guangzhou.

25. (S/D) During the Chinese/Vietnamese conflict, occupied CSA-1 sites were deployed near Tianyang, Suixi, Nanning/Wuyu, and Ningming Airfields. Shortly after the conflict, the SAM equipment was removed from all of these airfields with the exception of Ningming which remained occupied until August 1979. During August 1979, an occupied CSA-1 site was deployed near Nanning/Wuyu Airfield and was observed on subsequent coverage.

26. (S/D) Thirteen of the fighter/bomber airfields in the GAD are defended by AAA sites. No AAA is deployed around Guilin/Lijiacun Airfield, although AAA is in garrison at nearby Guilin Infantry Division Headquarters and Army Barracks AL-1 () and Erh-Tang Airfield.

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REFERENCES

IMAGERY

(S/D) All applicable satellite imagery acquired through [redacted] was used in preparation of this report.

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MAPS OR CHARTS

CIA Base Map 503824 (UNCLASSIFIED)

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- 1. NPIC. [redacted] IAR-0021/80, *New Hardened Storage Facilities, Hangarages, Shelters, and Other Improvements at Airfields in China (S)*, Mar 80 (TOP SECRET [redacted])
- 2. NPIC. [redacted] IAR-0037/80, *FARMER Aircraft Variants Identified in China (S)*, Mar 80 (TOP SECRET [redacted])
- 3. NSA. TIP/COINS Data Base, *CHDOF-PRC Disposition of Air Forces as of [redacted]* TOP SECRET [redacted]

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RELATED DOCUMENTS

NPIC. [redacted] RCA-05/0002/75, *Summary of Air Activity, Canton (Kuang-chou) Air District, October 1974 - June 1975, Sep 75* (TOP SECRET [redacted])

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NPIC. [redacted] *Air Navigational and Landing Aids System* (TOP SECRET R)

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(S) Comments and queries regarding this report are welcome. They may be directed to [redacted] Asian Forces Division, Imagery Exploitation Group, NPIC, [redacted]

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