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V. SUPPORT RESEARCH AND DEVELOPMENTA. TRAFFIC ANALYSIS1. ARDF IDENTIFICATION

The following ARDF statistical data is submitted for the month of November 1966:

	<u>01</u>	<u>02</u>	<u>03</u>	<u>04</u>	<u>05</u>	<u>06</u>	<u>07</u>
A/C AVAIL	38	41	37	33	44	46	45
A/C MAINT	27	24	28	23	21	19	20
SORTIES	35	36	39	41	39	30	37
HRS/MIN OPNL	157/40	168/25	160/25	169/10	168/00	77/55	151/41
TOTAL FIXES	66	97	68	77	79	40	65
With C/SS	47	76	65	57	59	28	52
Without C/SS	19	21	12	20	20	12	13
TOTAL IDENTIS	18	22	13	20	15	9	24
Field	18	22	13	20	15	9	24
B6	*	*	*	*	*	*	*
PCT FIXES IDENT	27%	20%	19%	26%	19%	22%	38%
With C/SS	38%	26%	23%	35%	25%	32%	46%
PCT FIXES U/I	73%	80%	71%	64%	71%	68%	62%
	<u>08</u>	<u>09</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>
A/C AVAIL	44	39	47	44	45	44	46
A/C MAINT	26	20	23	28	27	28	26
SORTIES	34	35	39	36	35	34	36
HRS/MIN OPNL	159/50	156/00	158/00	151/00	156/45	164/30	167/45
TOTAL FIXES	85	70	68	55	63	72	64
With C/SS	63	46	51	35	38	59	49
Without C/SS	22	24	17	20	25	13	15
TOTAL IDENTIS	27	16	17	21	24	17	18
Field	16	12	11	14	16	12	12
B6	11	4	6	7	8	5	6
PCT FIXES IDENT	18%	17%	25%	38%	38%	23%	28%
With C/SS	26%	26%	33%	60%	63%	30%	36%
PCT FIXES U/I	72%	73%	75%	62%	62%	77%	72%
	<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>
A/C AVAIL	46	48	48	30	25	40	36
A/C MAINT	26	24	25	31	26	33	38
SORTIES	32	33	37	39	32	36	38
HRS/MIN OPNL	137/30	150/50	176/30	136/50	155/15	152/15	151/50
TOTAL FIXES	43	68	67	52	51	73	65
With C/SS	37	49	52	40	45	47	53
Without C/SS	6	19	15	12	16	26	12
TOTAL IDENTIS	20	14	24	20	21	17	23
Field	16	13	13	14	17	11	22
B6	4	2	11	6	4	6	2
PCT FIXES IDENT	46%	20%	19%	26%	24%	15%	34%
With C/SS	54%	28%	35%	38%	34%	23%	35%
PCT FIXES U/I	54%	80%	81%	74%	76%	85%	66%

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	<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>
A/C AVAIL	35	40	38	46	47	46	45
A/C MAINT	39	34	36	28	27	8	29
SORTIES	43	44	40	31	27	36	42
HR/MIN OPNL	165/50	185/03	185/45	149/10	123/35	149/35	184/22
TOTAL FIXES	57	76	76	53	51	58	54
With C/SS	41	51	57	47	33	36	35
Without C/SS	16	25	19	6	18	22	19
TOTAL IDENTIS	16	18	28	18	10	15	11
Field	14	13	26	17	7	10	7
B6	2	5	2	2	3	5	4
PCT FIXES IDENT	24%	17%	36%	33%	19%	27%	20%
With C/SS	28%	23%	47%	37%	30%	41%	31%
PCT FIXES U/I	76%	83%	64%	67%	81%	73%	80%

	<u>29</u>	<u>30</u>
A/C AVAIL	42	42
A/C MAINT	32	32
SORTIES	41	39
HRS/MIN OPNL	173/55	180/30
TOTAL FIXES	85	93
With C/SS	49	68
Without C/SS	36	25
TOTAL IDENTIS	19	30
Field	18	22
B6	1	8
PCT FIXES IDENT	22%	32%
With C/SS	38%	44%
PCT FIXES U/I	78%	68%

A composite of the above ARDF data indicated the following:

- An average of 41.8 Air Force and Army aircraft were available per day.
- Army and Air Force aircraft in maintenance averaged 26.9 per day.
- Sorties flown by Army and Air Force aircraft averaged 35.6 per day.
- Army and Air Force aircraft were operational for an average total of 157 hours and 15 minutes per day.
- A total of 2,001 fixes were received during the month of November; of this total, 28.1% of the fixes (with and without C/SS) were identified by B6 (5.4%) and field elements (22.7%), respectively.
- Considering only those fixes with callsigns, a total of 38.6% were identified; 7.4% by B6 and 31.2% by field elements.
- Army and Air Force aircraft required an average of two hours and 21 minutes to fix a target.

2. TEXTA

Four Military (VCMB N0002, 05027, 05028 and 00816) and three Party (VCOB 06204, 06205, and 05607) case notations were cancelled during this reporting period.

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