

Defence Analytical Services and Advice  
*(Equipment & Personnel Analysis)*

# SEARCH & RESCUE MONTHLY REPORT



**February 2010**

**DASA**

*defence analytical services and advice*

**DASA is keen to listen to customers and is always happy to consider any suggestions which may improve our service. The DASA Equipment & Personnel Analysis (EPA) SAR team is:**

<b>Edd Byrne</b>	<b>Tel: 01225 468769</b>
<b>Richard Cable</b>	<b>Tel: 01225 468976</b>
<b>Chris Harvey</b>	<b>Tel: 01225 467525</b>

**Our Address is: DASA (EPA)  
Spur 8  
Beckford Block  
Ensleigh  
Bath, BA1 5AB**

**E Mail: [Edd.byrne@dasa.mod.uk](mailto:Edd.byrne@dasa.mod.uk)**

**[Richard.cable@dasa.mod.uk](mailto:Richard.cable@dasa.mod.uk)**

**[Chris.harvey@dasa.mod.uk](mailto:Chris.harvey@dasa.mod.uk)**



*defence analytical services and advice*

## REVISED DEFINITIONS

This report has been produced in accordance with changes made by the ARCC to the type of assistance.

2 definitions have been revised and 5 new ones added. "Search" has been expanded to allow more detailed analysis. For example previously, if an extensive search resulted in the rescue of an individual, the task appeared simply as a "Rescue".

Previous Term	Revised Term	
RESCUE	No change	Transfer of distressed uninjured person(s) from a hostile to a benign environment.
MEDRESCUE	No change	Transfer of sick or injured persons(s) from a hostile environment to a recognised medical facility (eg, hospital or chamber).
AIRLIFT	<b>TRANSFER</b>	Transfer of military personnel, or their families, on compassionate grounds.
MEDEVAC	<b>MEDTRANSFER</b>	Transfer of patients or organs between medical establishments at the request of a recognised Medical Authority, i.e. NHS Trust, Hospital or Ambulance Authority.
ASSIST	No change	Assistance to other SAR assets etc, such as moving SAR personnel or equipment (eg, mountain rescue teams, divers, pumps), shepherding of aircraft etc.
SEARCH	No change	Search for craft, person(s), etc which does not result in moving a person.
	<b>SEARCH – RESCUE</b>	Search for craft, person(s), etc resulting in the rescue of an uninjured person.
	<b>SEARCH – MEDRESCUE</b>	Search for craft, person(s), etc resulting in the rescue of a sick/injured casualty.
	<b>SEARCH – ASSIST</b>	Search for craft, person(s), etc involving assistance to other SAR assets.
	<b>SEARCH – RECOVERY</b>	Search for craft, person(s), etc resulting in the recovery of person(s) apparently dead.
	<b>SEARCH – ABORT</b>	Search for craft, person(s), etc during which callout terminated due to eg malfunction or adverse weather.
TOP-COVER	No change	On-scene assistance, e.g. communications relay, target identification, vectoring to target etc. for another rescue asset, or as cover for person(s) or vessel(s) in distress that does not result in further intervention.
RECALLED	No change	Asset recalled from incident whilst en route.
NOT REQUIRED	No change	Asset arrived on scene but no action required.
ABORT	No change	Callout terminated due to eg malfunction or adverse weather.
RECOVERY	No change	Recovery of person(s) apparently dead.
PRECAUTION	No change	Pre-positioning of a SAR helicopter to provide faster response to an anticipated or potential incident, eg, in response to an aircraft declaring a "MAYDAY" or a potential incident on a offshore installation.
FALSE ALARM	No change	Unnecessary callout with good intent.
HOAX	No change	Unnecessary callout with malicious intent
CIVIL AID	No change	Military Aid to the Civil Community (eg fire control).



# UK & Overseas Search And Rescue Summary

## Current Month

2010	Total Callouts	UK Helicopters	Overseas Helicopters	Fixed Wing Aircraft	Mountain Rescue	Marine Craft	Persons Assisted
February	136	121	10	-	5	-	117

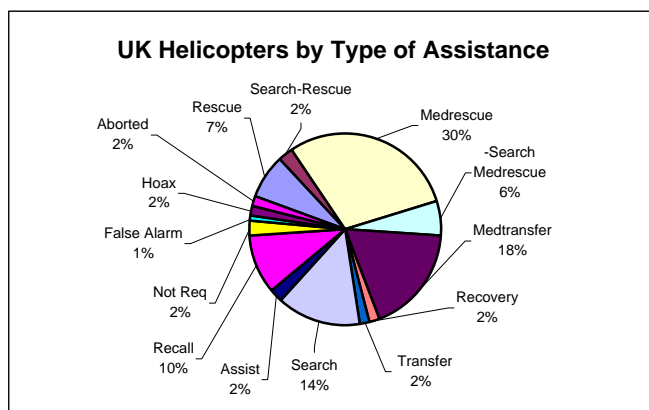
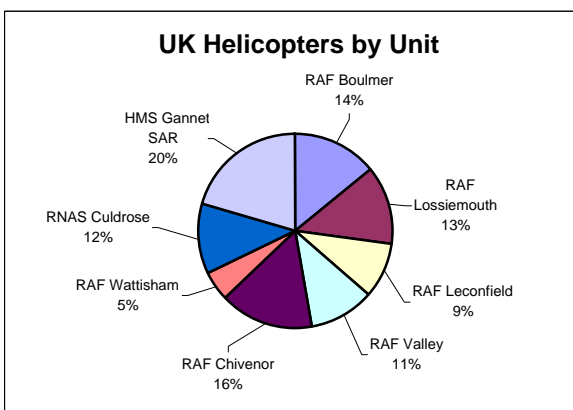
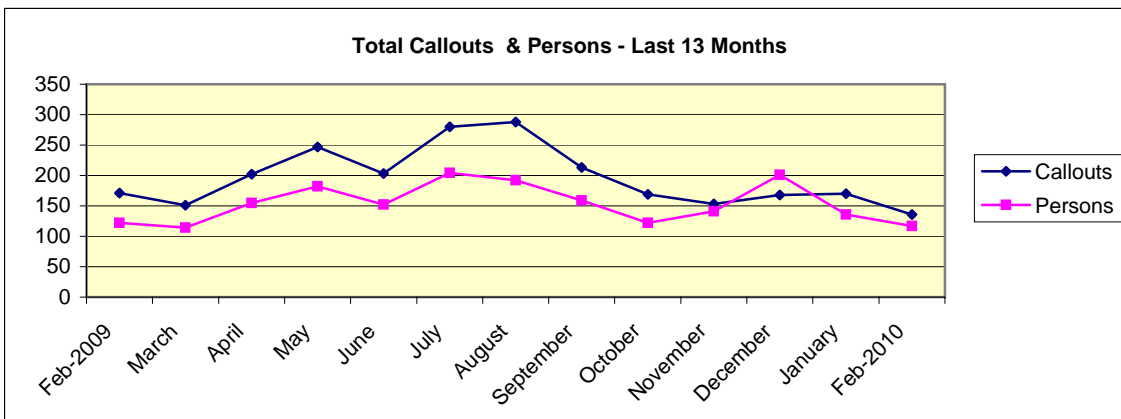
## Previous 12 Months

January	170	161	1	1	7	-	136
December	168	146	15	1	6	-	201
November	153	145	4	-	4	-	141
October	169	152	9	1	7	-	122
September	213	199	3	1	10	-	159
August	288	275	6	-	7	-	192
July	280	266	4	1	9	-	204
June	203	185	10	3	5	-	152
May	247	235	2	1	9	-	182
April	202	190	3	2	7	-	155
March	151	138	6	2	5	-	114
February	171	151	7	2	11	-	122

## Callouts & Incidents by Controlling RCC

	ARCC Kinloss	RCC Cyprus	RCC Falklands	Total
Callouts	126	2	8	136
Incidents	120	2	8	130

\* The sum of incidents may be less than the sum of callouts as an incident may be attended by more than one SAR unit.



# Callouts - UK Helicopters

		RAF							RN				
Unit		RAF Boulmer	RAF Lossiemouth	RAF Leconfield	RAF Valley	RAF Chivenor	RAF Wattisham	Total	RNAS Culdrose	HMS Gannet SAR	Total	UK Other	Grand Total
Rescue	Civ	-	2	1	1	2	1	7	-	2	2	-	9
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Search-Rescue	Civ	-	1	1	-	1	-	3	-	-	-	-	3
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Medrescue	Civ	10	4	3	5	3	-	25	4	5	9	-	34
	Mil	1	-	-	-	-	-	1	1	-	1	-	2
Search-Medrescue	Civ	2	-	-	-	2	-	4	-	3	3	-	7
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Medtransfer	Civ	1	1	-	1	3	3	9	4	9	13	-	22
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Recovery	Civ	-	1	-	-	-	-	1	-	1	1	-	2
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Search-Recovery	Civ	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Transfer	Civ	-	-	-	-	-	-	-	-	1	1	-	1
	Mil	-	-	-	1	-	-	1	-	-	-	-	1
Civ Aid	Civ	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Search	Civ	3	4	2	1	2	-	12	4	1	5	-	17
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Top Cover	Civ	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Assist	Civ	-	-	-	1	-	-	1	1	1	2	-	3
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Search-Assist	Civ	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Recall	Civ	-	1	2	2	2	2	9	-	2	2	-	11
	Mil	-	-	1	-	-	-	1	-	-	-	-	1
Not Req	Civ	-	1	1	-	1	-	3	-	-	-	-	3
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
False Alarm	Civ	-	-	-	-	1	-	1	-	-	-	-	1
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Hoax	Civ	-	1	-	-	1	-	2	-	-	-	-	2
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Precaution	Civ	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Aborted	Civ	-	-	-	1	1	-	2	-	-	-	-	2
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
Search-Aborted	Civ	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Civil</b>		<b>16</b>	<b>16</b>	<b>10</b>	<b>12</b>	<b>19</b>	<b>6</b>	<b>79</b>	<b>13</b>	<b>25</b>	<b>38</b>	<b>-</b>	<b>117</b>
<b>Total Military</b>		<b>1</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>4</b>
<b>Total Callouts</b>		<b>17</b>	<b>16</b>	<b>11</b>	<b>13</b>	<b>19</b>	<b>6</b>	<b>82</b>	<b>14</b>	<b>25</b>	<b>39</b>	<b>-</b>	<b>121</b>

'UK Others' includes: RAF Others, RN Others, Army Helicopters, Other Helicopters

# Callouts - Helicopters (Overseas), Fixed Wing, MRT, Marine Craft

		Overseas Helicopters				Fixed Wing UK & O/S			Mountain Rescue Teams						Marine Craft UK & O/S				
Unit		Cyprus	Falklands	Overseas	Others	Total	Nimrod	Other	Fixed Wing	Total	Kinloss	Leeming	Leuchars	Valley	Other	Total	MCU (UK)	MCU (Overseas)	Total
Rescue	Civ	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Search-Rescue	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medrescue	Civ	-	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	3	-	-	3	-	-	-	-	-	1	-	-	-	1	-	-	-
Search-Medrescue	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Medtransfer	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Recovery	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Search-Recovery	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Transfer	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Civ Aid	Civ	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Search	Civ	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Top Cover	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Assist	Civ	-	-	-	-	-	-	-	-	2	-	1	-	-	-	3	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Search-Assist	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Recall	Civ	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Not Req	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
False Alarm	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoax	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Precaution	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Aborted	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Search-Aborted	Civ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mil	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total Civil</b>		<b>1</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>5</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Military</b>		<b>1</b>	<b>4</b>	<b>-</b>	<b>-</b>	<b>5</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Total Callouts</b>		<b>2</b>	<b>8</b>	<b>-</b>	<b>-</b>	<b>10</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5</b>	<b>-</b>	<b>-</b>	<b>-</b>

# Callouts

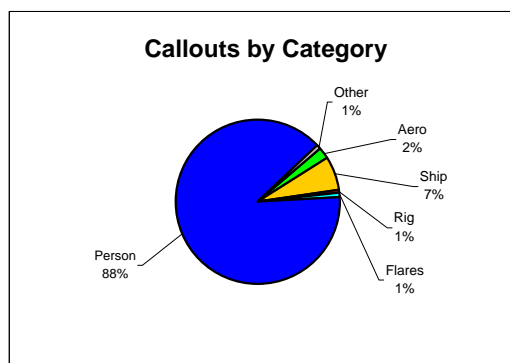
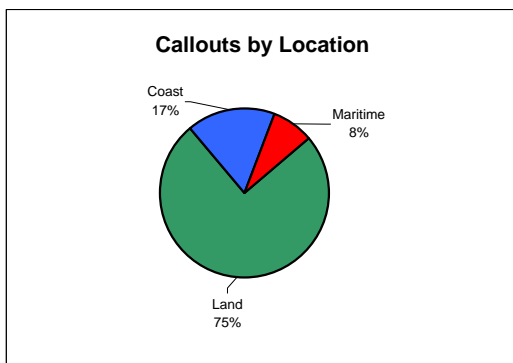
## Location & Category (UK & Overseas)

Callouts by Location

		Land	Coast	Maritime	Total
Rescue	Civ	5	5	-	10
	Mil	-	-	-	-
Search-Rescue	Civ	3	-	-	3
	Mil	-	-	-	-
Medrescue	Civ	26	4	6	36
	Mil	4	-	2	6
Search-Medrescue	Civ	5	2	-	7
	Mil	1	-	-	1
Medtransfer	Civ	22	-	-	22
	Mil	1	-	-	1
Recovery	Civ	2	-	-	2
	Mil	-	-	-	-
Search-Recovery	Civ	-	-	-	-
	Mil	-	-	-	-
Transfer	Civ	1	-	-	1
	Mil	-	-	1	1
Civ Aid	Civ	1	-	-	1
	Mil	-	-	-	-
Search	Civ	12	5	1	18
	Mil	-	-	-	-
Top Cover	Civ	-	-	-	-
	Mil	-	-	-	-
Assist	Civ	5	-	1	6
	Mil	-	-	-	-
Search-Assist	Civ	-	-	-	-
	Mil	-	-	-	-
Recall	Civ	10	2	-	12
	Mil	1	-	-	1
Not Req	Civ	1	2	-	3
	Mil	-	-	-	-
False Alarm	Civ	-	1	-	1
	Mil	-	-	-	-
Hoax	Civ	-	2	-	2
	Mil	-	-	-	-
Precaution	Civ	-	-	-	-
	Mil	-	-	-	-
Aborted	Civ	2	-	-	2
	Mil	-	-	-	-
Search-Aborted	Civ	-	-	-	-
	Mil	-	-	-	-
<b>Total Civil</b>		<b>95</b>	<b>23</b>	<b>8</b>	<b>126</b>
<b>Total Military</b>		<b>7</b>	<b>-</b>	<b>3</b>	<b>10</b>
<b>Total Callouts</b>		<b>102</b>	<b>23</b>	<b>11</b>	<b>136</b>

Callouts by Category

Aero	Ship	Leisure Craft	Rig	Beacon	Flares	Person	Other	Total
-	-	-	-	-	-	10	-	10
-	-	-	-	-	-	3	-	3
-	5	-	1	-	-	30	-	36
-	2	-	-	-	-	4	-	6
-	-	-	-	-	-	7	-	7
-	-	-	-	-	-	1	-	1
-	-	-	-	-	-	22	-	22
-	-	-	-	-	-	1	-	1
-	-	-	-	-	-	2	-	2
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
-	1	-	-	-	-	1	-	1
-	1	-	-	-	-	-	-	1
-	-	-	-	-	1	17	-	18
-	-	-	-	-	-	-	-	-
-	1	-	-	-	-	5	-	6
-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	10	-	12
1	-	-	-	-	-	-	-	1
-	-	-	-	-	-	3	-	3
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	1	-	1
-	-	-	-	-	-	2	-	2
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	2	-	2
-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-
<b>2</b>	<b>6</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>115</b>	<b>1</b>	<b>126</b>
<b>1</b>	<b>3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>-</b>	<b>10</b>
<b>3</b>	<b>9</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>121</b>	<b>1</b>	<b>136</b>







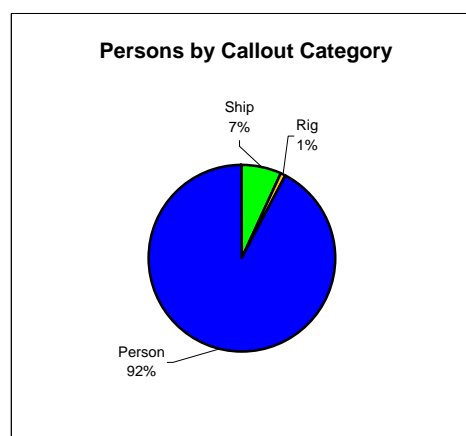
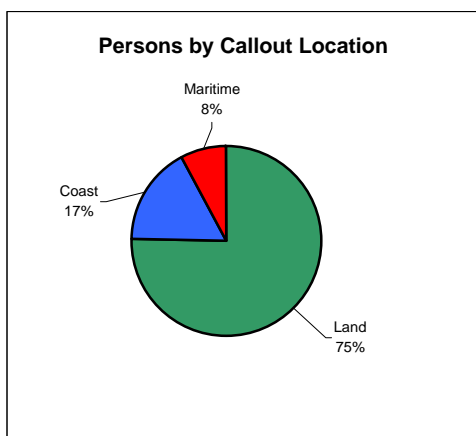
# Persons - Location & Category (UK & Overseas)

**Persons by Callout Location  
UK & Overseas**

		Land	Coast	Maritime	Total
Rescue	Civ	14	12	-	26
	Mil	-	-	-	-
Search-Rescue	Civ	5	-	-	5
	Mil	-	-	-	-
Medrescue	Civ	28	6	6	40
	Mil	4	-	2	6
Search-Medrescue	Civ	6	2	-	8
	Mil	1	-	-	1
Medtransfer	Civ	24	-	-	24
	Mil	1	-	-	1
Recovery	Civ	2	-	-	2
	Mil	-	-	-	-
Search-Recovery	Civ	-	-	-	-
	Mil	-	-	-	-
Transfer	Civ	3	-	-	3
	Mil	-	-	1	1
<b>Total Civil</b>		<b>82</b>	<b>20</b>	<b>6</b>	<b>108</b>
<b>Total Military</b>		<b>6</b>	<b>-</b>	<b>3</b>	<b>9</b>
<b>Total Persons</b>		<b>88</b>	<b>20</b>	<b>9</b>	<b>117</b>

**Persons by Callout Category**

Aero	Ship	Leisure Craft	Rig	Person	Other	Total
-	-	-	-	26	-	26
-	-	-	-	-	-	-
-	-	-	-	5	-	5
-	-	-	-	-	-	-
-	5	-	1	34	-	40
-	2	-	-	4	-	6
-	-	-	-	8	-	8
-	-	-	-	1	-	1
-	-	-	-	24	-	24
-	-	-	-	1	-	1
-	-	-	-	2	-	2
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	3	-	3
-	1	-	-	-	-	1
-	<b>5</b>	<b>-</b>	<b>1</b>	<b>102</b>	<b>-</b>	<b>108</b>
-	<b>3</b>	<b>-</b>	<b>-</b>	<b>6</b>	<b>-</b>	<b>9</b>
-	<b>8</b>	<b>-</b>	<b>1</b>	<b>108</b>	<b>-</b>	<b>117</b>



**Note:** Persons are not normally attributed to the following callout categories; Civ Aid, Search, Top Cover, Assist, Recall, Not Required, False Alarm, Hoax, Precaution, Aborted.

# SAR Flying Hours & MRT Man Hours

## SAR Flying Hours

Month Totals	RAF UK 202 & 22 Sqn	RAF Falklands 78 Sqn	RAF Cyprus 84 Sqn	RAF Total	RN UK HMS Gannet & 771 Sqn
Hours Flown (SAR)	137.27	11.40	3.20	<b>152.27</b>	<b>71.50</b>
Number of Callouts	82	8	2	<b>92</b>	<b>39</b>
Average SAR Sortie Length	1.41	1.27	1.40	<b>1.39</b>	<b>1.51</b>
<b>Annual Total (Cumulative)</b>	321.09	11.40	11.20	<b>344.09</b>	<b>164.30</b>
Number of Callouts	182	8	3	<b>193</b>	<b>100</b>
Average SAR Sortie Length	1.46	1.27	3.47	<b>1.47</b>	<b>1.39</b>

## Average Flying Hours per Callout

Unit	Flying Hours	
	Civ	Mil
RAF Boulmer	2.06	1.35
RAF Chivenor	1.21	-
RAF Leconfield	1.17	0.05
RAF Lossiemouth	1.41	-
RAF Valley	1.32	3.30
RAF Wattisham	2.31	-
RNAS Culdrose	2.00	4.15
HMS Gannet SAR Flight	1.40	-
UK Other Helicopters	-	-
Cyprus	2.20	1.00
Falklands	1.59	0.56
Overseas Other Helicopters	-	-

Times are expressed in Hours and Minutes.

Flying time excludes periods where an aircraft lands, whether the engines are shut down or not.

## MRT Man Hours \*

Unit	Man Hours	
	Civ	Mil
Kinloss	63	-
Leeming	-	-
Leuchars	38	11
Valley	-	-
Other	-	-
<b>Total</b>	<b>101</b>	<b>11</b>