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Dear

Thank you for your email of the 5 November 2014 requesting the following information:

"I am currently writing a dissertation for a Masters degree on Air Power and COIN/CT operations. Is there any data on Air Strikes conducted in Afghanistan, preferably broken down by month, year and reason/type of attack from 2001 - present day?"

Any information will be helpful - or any point in the right direction would be great".

And your clarification of the 3 December 2014:

"I would like to refine my search for information by asking for strikes by UK aircraft, fixed wing including Unmanned Aerial Vehicle aircraft."

I am treating your correspondence as a request for information under the Freedom of Information Act 2000.

I am writing to confirm that MOD holds some of the information on the subject you have requested. In line with your clarification, we have been able to supply you with weapon release data and flying hours for Op HERRICK for both fixed wing and REAPER aircraft. Information relating to REAPER have been included at Annex A of this document; information relating to HARRIER GR7 and TORNADO GR4 aircraft can be found at Annex B. We have provided information from the start of the deployment to Afghanistan for each aircraft type as held by the Department. As we had no deployed fixed wing aircraft before these dates we have no data or records from 2001 as requested.

If you are not satisfied with this response or you wish to complain about any aspect of the handling of your request, then you should contact me in the first instance. If informal resolution is not possible and you are still dissatisfied then you may apply for an independent internal review by contacting the Information Rights Compliance team, 1st Floor, MOD Main Building, Whitehall, SW1A 2HB (e-mail CIO-FOI-IR@mod.uk). Please note that any request for an internal review must be made within 40 working days of the date on which the attempt to reach informal resolution has come to an end.

If you remain dissatisfied following an internal review, you may take your complaint to the Information Commissioner under the provisions of Section 50 of the Freedom of Information Act. Please note that the Information Commissioner will not investigate your case until the MOD internal review process has been completed. Further details of the role and powers of the Information Commissioner can be found on the Commissioner's website, <http://www.ico.gov.uk>.

Yours sincerely,

PJHQ J8 Secretariat

REAPER INFORMATION

Weapon releases from REAPER Aircraft from Quarter (Q) 2 2008 till end of Mission in Q3 2014¹.

		2008				2009				2010			
WPN Releases		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
AGM-114	AGM-114N		0	0	0	0	0	0	0	0	0	1	1
	AGM-114P		7	4	5	3	6	7	16	9	13	10	24
	AGM-114P4A		0	0	0	0	0	0	0	0	0	0	0
	AGM-114N4		0	0	0	0	0	0	0	0	0	0	0
GBU-12	GBU-12		3	7	3	2	5	1	4	0	0	8	7
Grand Total		N/A	10	11	8	5	11	8	20	9	13	19	32

2011				2012				2013							
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0
13	11	28	45	11	21	41	27	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	2	16	20	34	24				
0	0	0	0	0	0	0	0	0	0	0	0				
5	0	3	3	0	0	0	0	0	0	0	0				
19	11	31	50	12	21	42	29	16	20	34	24				

2014			Grand Total
Q1	Q2	Q3	
0	0	0	7
0	0	0	301
13	14	21	144
0	0	1	1
0	0	0	51
13	14	22	504

¹ Although flying began in 2007 the first weapon release was in Q2 in 2008.

The below table details the Sum of Missions and the Sum of Duration of flight from Q 4 2007 till end of Mission in Q3 2014 for REAPER Aircraft.

	2007	2008				2009				2010			
Data	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Sum of Mission Count	38	47	86	90	73	63	78	128	162	145	157	196	260
Sum of Duration of flight	261:24	411:37	855:02	873:28	702:31	605:28	881:09	1355:53	1667:55	1816:30	2018:56	2683:26	3737:14

	2011				2012				2013			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Sum of Mission Count	187	224	260	230	180	237	263	215	170	209	266	252
Sum of Duration of flight	2484:09	2917:39	3638:01	3365:04	2323:12	3154:33	3679:09	2889:31	2215:15	3199:33	4256:31	3890:27

	2014			Total
	Q1	Q2	Q3	
Sum of Mission Count	176	252	452	5096
Sum of Duration of flight	2406:38	3680:23	6801:23	68772:01

The below table details the flying hours split by Day and Night for REAPER Aircraft for 2007-2014.

FLIGHT HOURS SPLIT DAY/NIGHT									
Night Day	2007	2008	2009	2010	2011	2012	2013	2014	Total
Day	98:05	29:58	1389:14	4304:07	6894:00	7981:49	6826:16	5600:10	33123:39
Night	163:19	2812:40	3121:11	5951:59	5510:53	4064:36	6735:30	7288:14	35648:22
Grand Total	261:24	2842:38	4510:25	10256:06	12404:53	12046:25	13561:46	12888:24	68772:01

EPW2+	37	11	22	3	0	0	0	0	0	0	0	0
KFF	0	0	0	0	0	0	0	0	0	0	0	0
PWII	0	0	0	0	0	0	0	0	0	0	0	0
PWIV	0	0	0	8	28	21	8	1	3	5	12	4
Grand Total	505	347	495	140	285	346	585	166	159	281	666	498

	2011				2012				2013			2014			Total
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q2	Q3	Q4	Q1	Q2	Q3	
1000lb AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
1000lb RET	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
27mm HE/PD	0	0	281	68	158	118	61	177	0	0	33	64	0	72	3465
540lb AB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	118
540lb FF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77
CRV7-M151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2237
CRV7-RA79	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2718
DMS BRIMSTONE	2	1	0	2	2	3	2	8	3	11	4	1	1	4	68
EPW2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	180
EPW2+	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94
KFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
PWII	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
PWIV	5	0	1	0	0	14	8	3	2	2	1	0	3	1	130
Grand Total	7	1	282	70	160	135	71	188	5	13	38	65	4	77	9132

The below table details the flying hours split by Day and Night for GR4 and GR7 aircraft in Afghanistan for 2004 -2014.

Day/Night	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	Grand Total
Day	849:15	2756:43	3653:55	3604:20	3759:46	3682:46	3601:20	3252:02	3471:12	3183:39	1324:15	33139:13
Night	37:20	94:45	670:26	1988:43	1779:51	2439:59	3108:19	2951:37	3088:20	2850:14	1767:11	20776:45
UK (ie no data on if day or night)	00:00	00:00	00:00	00:00	00:00	00:00	04:50	00:25	00:00	00:00	00:00	05:15
Total	886:35	2851:28	4324:21	5593:03	5539:37	6122:45	6714:29	6204:04	6559:32	6033:53	3091:26	53921:13

This below table details of GR4 and GR7 flying hours, Mission counts, Aircraft counts, Mission Drops and Weapon Release events from Q3 2004 to end of Mission Q3 2014.

	2004		2005				2006			
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Sum of Flying Hours	05:30	881:05	698:20	639:10	782:30	731:28	791:00	954:49	1125:31	1453:01
Sum of Mission Count ²	2	198	152	169	192	174	172	212	268	324
Sum of Aircraft Count ³	4	386	302	336	377	343	344	420	535	650
Sum of Mission drop ⁴	0	1	0	5	5	8	5	10	68	47
Sum of Weapon Release ⁵ Event	0	1	0	9	15	34	18	21	168	119

	2007				2008				2009 ⁶			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Sum of Flying Hours	1118:16	1568:48	1478:51	1427:08	1365:10	1383:30	1350:58	1439:59	1471:03	1514:01	1570:40	1567:01
Sum of Mission Count	235	254	266	259	247	251	241	252	240	251	257	203
Sum of Aircraft Count	475	511	526	521	495	501	485	505	481	502	510	409
Sum of Mission drop	25	31	31	34	29	20	33	11	16	12	13	3
Sum of Weapon Release Event	73	65	87	73	68	47	67	18	34	34	21	4

	2010				2011				2012			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Sum of Flying Hours	1504:24	1589:17	1808:29	1812:19	1664:43	1469:18	1422:20	1647:43	1575:07	1707:43	1731:41	1545:01
Sum of Mission Count	213	244	285	280	232	232	235	236	215	228	225	231
Sum of Aircraft Count	431	485	561	574	471	467	463	467	432	455	453	463
Sum of Mission drop	4	9	17	14	5	1	4	2	5	14	6	7
Sum of Weapon Release Event	5	15	33	24	7	1	6	3	5	19	8	16

² This details the amount of Missions flown

³ This details the amount of aircraft that took part in the Missions, it is normal for aircraft to fly in pairs, hence the variation of the figures compared to Missions flown.

⁴ This details the number of Missions on which weapons releases occurred.

⁵ This details the number of weapons releases

⁶ During 2009 aircraft type changed from HARRIER GR7 to TORNADO GR4.

	2013				2014			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	
Sum of Flying Hours	1494:13	1468:56	1515:23	1555:21	1536:33	1555:28	1639:19	55561:07
Sum of Mission Count	217	207	191	203	198	215	227	9133
Sum of Aircraft Count	437	415	375	407	397	432	453	18256
Sum of Mission drop	0	4	7	4	3	2	3	518
Sum of Weapon Release Event	0	5	10	6	3	3	3	1148