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### Re: Mogul Balloons

From: [DRudiak@aol.com](mailto:DRudiak@aol.com)  
Date: Tue, 3 Jun 1997 12:25:37 -0400 (EDT)  
Fwd Date: Tue, 03 Jun 1997 19:49:55 -0400  
Subject: Re: Mogul Balloons

>Date: Wed, 31 May 1995 03:47:32 -0300  
>To: [Updates@globalseve.net](mailto:Updates@globalseve.net)  
>From: Ricardo Varela Correa <[ricardo@das.inpe.br](mailto:ricardo@das.inpe.br)>  
>Subject: Mogul Balloons

> 1 - The payload of the Mogul project would carry special films to measure possible Soviet nucs detonation. (An energetic particle would leave a trace on it). The payloads of this project would weight around 300Kg and at that time the US Navy did not use a parachute, and if the balloon burst on the way down, it would make a considerable mess in the ground.

Such large, heavy payloads weren't used on the Mogul project for radiation detection until some time later. But in June/July 1947, they were using balloons with much less lift to carry special microphones to detect the sound of an A-blast. The total payload, I believe did not exceed 25 pounds, most of it being sand ballast.

>2 - At that time the payload would descend with the balloon. Near the ground, pressure switches would deploy batteries and antenna, to reduce the descend speed.

I wouldn't know about this. On these early Moguls, a pressure switch was supposed to set off a small explosive charge to cut the payload loose from the main balloon train so that it could parachute to earth.

>3 - The balloons could explode(although is a very small possibility, since as it ascend, looses all the gas), as the Mogul project used hidrogen - now NSBF(National Scientific Balloon Facility) uses helium.

As far as I know they used exclusively helium. There are notes in Mogul logs for this period of picking up new helium cannisters. Therefore, there would be no hydrogen gas that could explode.

> 4 - The balloon film gets brittle when it passes the tropopause and if the place were it lands is windy, it will shatter small pieces of film all around the area.

It shouldn't stay brittle, however, once it descends and gets back into warm air. And if it shattered at high altitude, the debris would be very widely scattered.

>5 - The MOgul project carried heavy special emulssion films that were separated by lead sheets. They were heavy - 200 - 500 Kg. If the descent speed is high, it could have made the gouge described by Mr Brazel.(the same idea were used to detect in 24 may 1947, and prove the existence of the meson-pi, in Bolivia)

This is interesting, but from the existing documentation it appears such Mogul flights with these heavier payloads didn't happen until much later. The payloads were much lighter on these early Moguls. Therefore, no

significant gouging of the ground should have occurred.

>6 - The properties of the material described by Maj.Marcel are the key to  
> exclude and dismiss the hypothesis that the Roswell debries were a balloon  
> carrying a payload of the Mogul project.

I certainly agree with you here. The resemblance to balloon debris was superficial, but the physical properties were clearly very different. And more people than Major Marcel described the same thing. It couldn't have been just one man's lie or aberration.

David Rudiak

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