

Antennas of Pine Gap image gallery



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This gallery holds links to all images reproduced in Desmond Ball, Bill Robinson and Richard Tanter, *The Antennas of Pine Gap*, Nautilus Institute, Special Reports, 18 February 2016.

[Cover - high resolution image.](#)

Details of the antennas are listed in [Table 1 in that paper](#).

The antennas identification system in Table 1 and in the images below is a year-based identification

system.

The antennas are listed in chronological order, with some allowance for uncertainty in particular cases. The antenna identification number in column 2 is based on the year that the antenna was installed (see column 6), with a letter suffix further identifying it within the group installed that year. The first antenna listed, 67-A, was built in 1967, and it was the first (and only) antenna built that year. The second antenna listed, 68-A, was one of four installed in the following year. In cases of uncertainty, the best estimate is noted with a question mark. When an antenna is known to have been installed at some point during a specific period, the identification number is derived from the earliest possible year of construction in that range - e.g. antenna 86-A is known to have been installed between 1986 and 1988.

We are deeply grateful to Felicity Ruby and Kristian Laemmle-Ruff, who very generously gave us permission to reproduce their photographs of Pine Gap.

NOTE ON ATTRIBUTION

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See [Kristian Laemmle-Ruff Photography](#), and [Felicity Ruby - The Fourth Eye](#).

The source images by Kristian Laemmle Ruff used for Figures 4, 9, 30, 32, 37, 39, 46, 47, 49, 55 and the cover image are available [here in medium-level resolution](#).

Very large file size versions of Laemmle-Ruff's images are available through his [website](#).

Media requests for reproduction rights should be directed to that website.

Felicity Ruby's photographs are available here and through her [website](#).

Click on thumbnails for fullsize image



Figure 1.

[caption id="attachment_47047" align="aligncenter" width="150"]
Figure 2.
Number of antenna systems at Pine Gap,
1970-2015[caption]



[caption id="attachment_46959" align="aligncenter" width="150"]
Figure 3. Pine Gap
signals intelligence compound, 2012
[caption id="attachment_46961" align="aligncenter" width="150"]



[caption id="attachment_47029" align="aligncenter" width="150"]
Principal SIGHT and FORNSAT/COMSAT parabolic antennas in radomes
(Antennas 90-A, 10-A, 99-D, 99-C, 85-A, 77-A, 71-A, 68-B)[caption]



Figure 4.

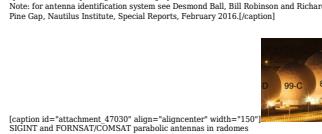


Figure 4.

[caption id="attachment_46960" align="aligncenter" width="150"]
Figure 5. Two radomes at Pine Gap, 1968-69 (Antennas 68-A and 68-B)[caption]



Figure 5.

[caption id="attachment_46963" align="aligncenter" width="150"]
Figure 6. Five
radomes at Pine Gap, 1973-77 (Antennas
68-B, 71-A, 68-A and 73-A; 69-B not visible -
collimation tower to left of 68-A)[caption]



Figure 6.

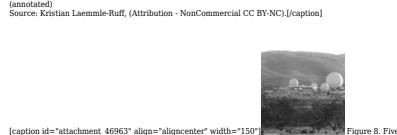


Figure 7.



Figure 8.

[caption id="attachment_47031" align="aligncenter" width="150"]
Figure 9. Antennas 77-A, 68-A, 71-A, 68-B
Source: Kristian Laemmle-Ruff, (Attribution - NonCommercial CC BY-NC).[caption]



Figure 9.

[caption id="attachment_46964" align="aligncenter" width="150"]
Figure 10. Antennas
68-B, 80-A (on Operations Building roof),
68-C, 71-A, 68-B and 73-A (collimator), 68-B, 77-
A and 73-A, 23 January 2016[caption]

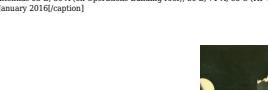


Figure 10.

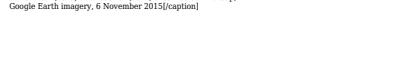


Figure 11.

[caption id="attachment_46969" align="aligncenter" width="150"]
Figure 12. Ford Aerospace SCT-35 DISCS antenna system.
Source: Ford Aerospace[caption]

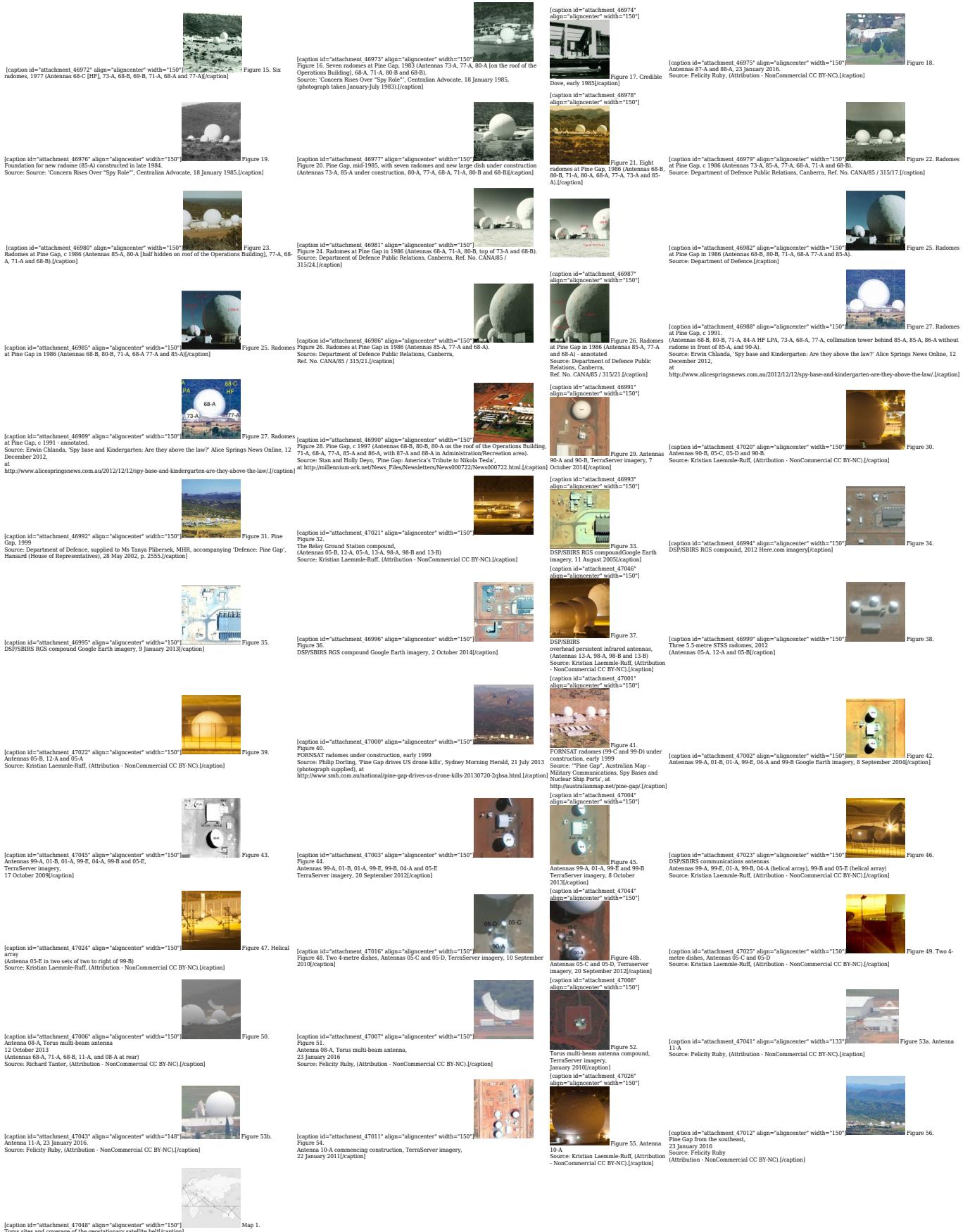


Figure 12.

[caption id="attachment_46970" align="aligncenter" width="150"]
Figure 13. Ford
Aerospace SCT-8 DISCS antenna system.
Source: Ford Aerospace[caption]



Figure 13.



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