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## DALSA Semiconductor News

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### **DALSA Semiconductor Delivers World's First 100+ Million Pixel CCD Image Sensor Chip to Semiconductor Technologies Associates (STA)**

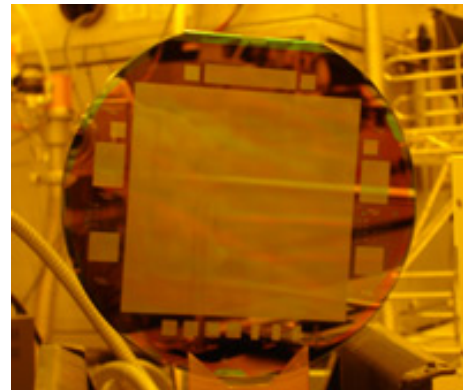
*Posted 6/19/2006 8:30:00 AM*

DALSA Semiconductor, a division of DALSA Corporation (TSX:DSA), an international high performance semiconductor and electronics company, announced today that it has successfully fabricated and delivered the world's highest resolution image sensor chip to its customer, Semiconductor Technology Associates ("STA") of San Juan Capistrano, California. The CCD device, which measures approximately four inches by four inches, has a total resolution of over 111 million pixels (10,560 pixels x 10,560 pixels at 9µm). It is the world's first imager to break the 100 million pixel barrier.

STA developed the record-breaking chip for the Astrometry Department of the U.S. Naval Observatory ("USNO"), funded by the Navy's Small Business Innovation Research Program. The device will assist USNO in the determination of the positions and motions of stars, solar system objects and the establishment of celestial reference frames. DALSA Semiconductor manufactured the device for STA at its wafer fabrication facility in Bromont, Quebec.

"As with past custom image sensor projects, I'm very satisfied with the versatility and capability of DALSA Semiconductor's foundry to collaborate on new process enhancements and to manufacture challenging custom CCD image sensor products such as this," commented STA President, Richard Bredthauer.

"I'm very pleased that we were able to deliver, ahead of schedule, this custom CCD image sensor to our long time DALSA foundry customer, STA," added Ralf Brooks, President of DALSA Semiconductor. "Completing this challenging, yet successful,



STA's 111 megapixel (10560 x 10560) astronomy CCD, fabricated by DALSA Semiconductor, is the first imager to pass the 100 megapixel mark. The sensor's active area (the large square region on the wafer) measures approximately four inches by four inches.

DALSA is an international high performance semiconductor and electronics company that designs, develops, manufactures, and markets digital imaging products and solutions, in addition to providing semiconductor products and services. DALSA's core competencies are in specialized integrated circuit and electronics technology, software, and highly engineered semiconductor wafer processing. Products and services include image sensor components; electronic digital cameras; vision processors; image processing software; and semiconductor wafer foundry services for use in MEMS, high-voltage semiconductors, image sensors and mixed-signal CMOS chips. DALSA is listed on the Toronto Stock Exchange under the symbol "DSA". The Company has its corporate offices in Waterloo, ON and approximately 1000 employees world-wide.

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#### **About STA Corporation**

Semiconductor Technology Associates is dedicated to providing the highest quality custom Charge Coupled Devices to the commercial and scientific communities. Our expertise lies in the design, fabrication, packaging and characterization of the finest CCDs available in the world.

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