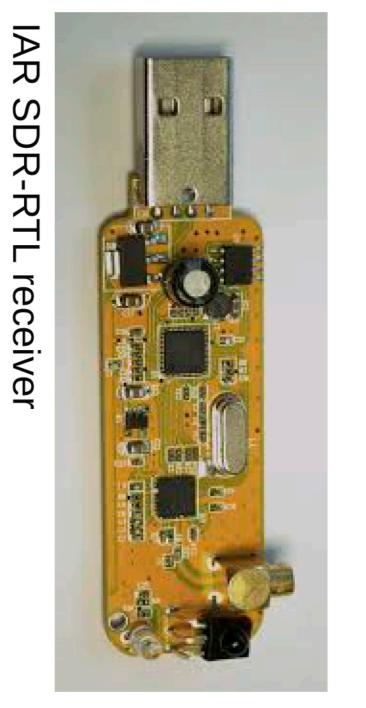
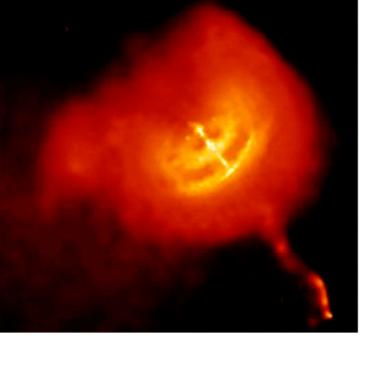


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Instituto Argentino de Radio 2-British Astronomical A nite es, Arge ingdom. rgentina

Using SDR t new r allowin roductic g the digital technology receiver sof ving the mea recei al receiver based by implemented at software to measurement and do measure and and detection at n "Sofi IAR { oftv ware L}, it ware Define L}, it was cof Pulsars. σ_{Φ}





Vela Pul (Wikiped

Radio

Softwa.

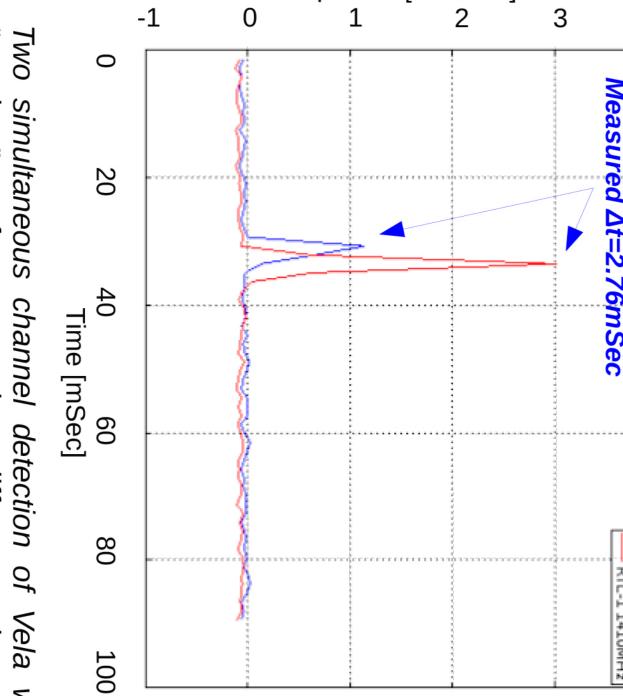
The SDR systems are raucomponents such as mimplemented in software embedded computing development a conventional elegand all process of data is software e radio devices where as mixers, filters, a are using a devices. electronic r personal re typically amplifiers, ompute

electronic receiver an S ye followed by a fast dig a is realized in software. digital

- **Vela Pulsar (PSR B0833-45 /** Rotation speed of 89 millisecor
 Located at a distance of 936 ye
 Average intensity 1100mJy.
 Dispersion Measurement of 67 **PSR**
 - onds.
 - X
- 9

- Pulsar PSR J0437-4
 Discovered by the H
 Rotation speed of 5
 Estimated to be at .
 Average intensity o 37-4715
 the Parkes Observator of 5.75 milliseconds.
 e at 509.8 light years.
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Amplitude [relative] .041 .0425 100 150 200 ເmple [n] n with "rapı



Two simulta "rapulsar" correspond Value. to

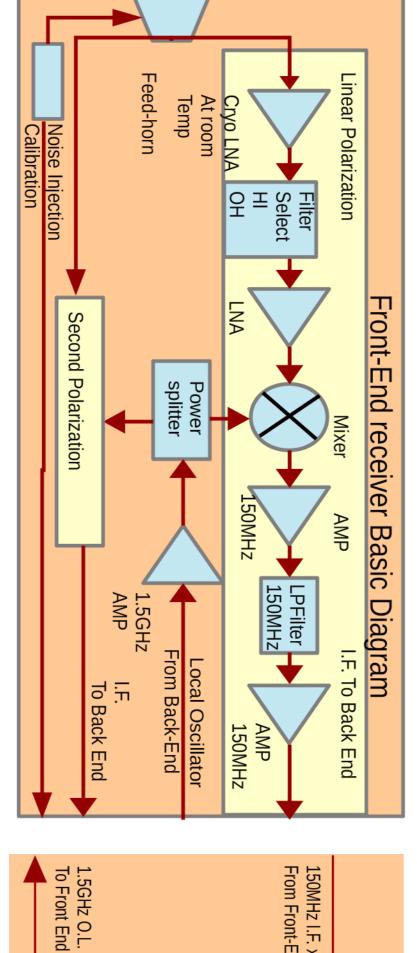
lescope, two SDR rendio telescope.

th 2MHz Bandwidth.

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 Time&Frequency
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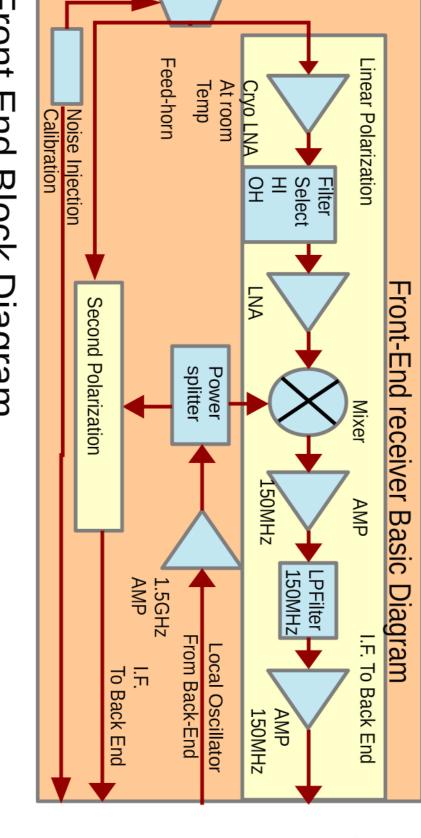
l receiv Diagra



End Block Diagram

DDS signal generetor.
SDR: Out 28,8MHz
O.L.: Out 32,xxxMHz

Hz Out



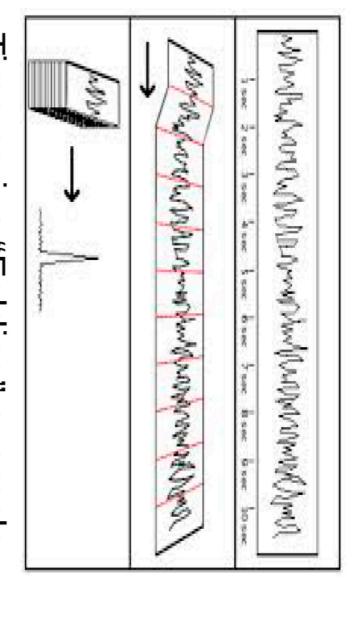
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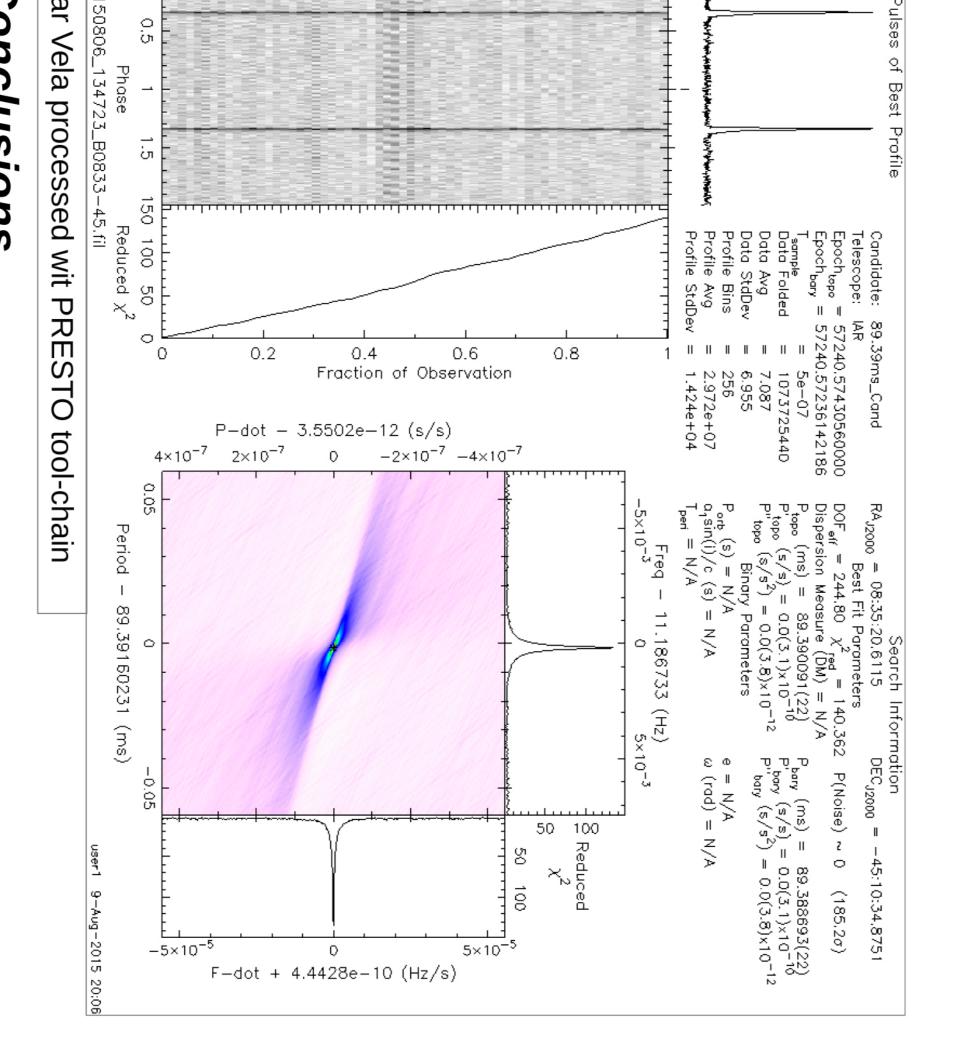
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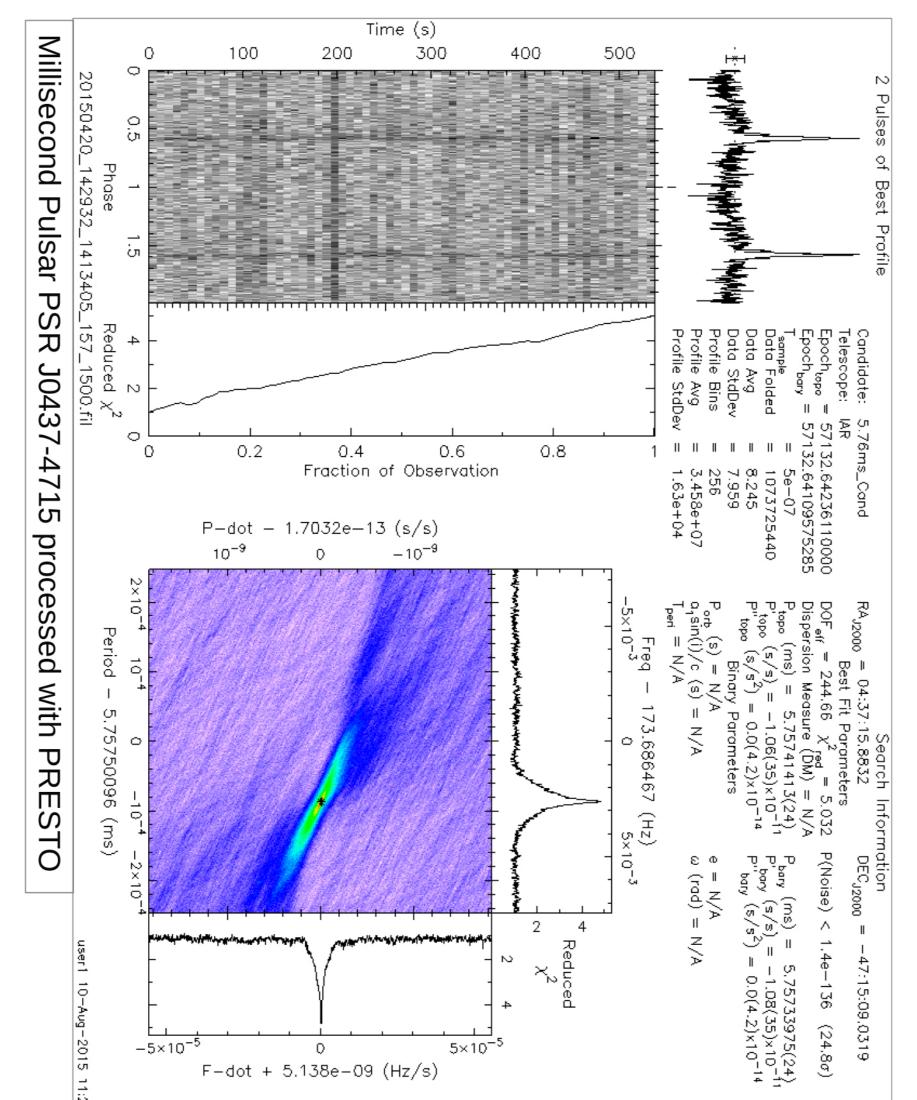


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Conclusions With a Low (

Time (s) 300 500



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References:
{1} Poster at 58° AAA H
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http://www.cv.nrao.edu/out.
http://www.cv.nrao.edu/out.
http://www.y1pwe.co.uk

knowledgmentauthor wants to give a special recognition to and assistance, to develop the software for sented work to the following people:
eter W. East.

for the

