

RS-06-162

October 28, 2006

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001Clinton Power Station, Unit 1  
Facility Operating License No. NPF-62  
NRC Docket No. 50-461

**Subject:** Additional Information Related to Request for Emergency Amendment to Control Room Ventilation System Technical Specification

**Reference:** Letter from Thomas S. O'Neill (AmerGen Energy Company, LLC) to U. S. NRC, "Request for Emergency Amendment to Control Room Ventilation System Technical Specification," dated October 25, 2006

In the referenced letter, AmerGen Energy Company, LLC (AmerGen) submitted a request for an emergency amendment to Facility Operating License No. NPF-62 for Clinton Power Station (CPS), Unit 1. The proposed change requested an amendment to Technical Specification (TS) 3.7.3, "Control Room Ventilation System" to increase the TS Completion Time for one inoperable Control Room (CR) Ventilation subsystem (i.e., TS 3.7.3, Required Action A.1) from seven (7) days to fourteen (14) days, on a one-time basis. The referenced letter discusses the acceptable performance of the 'B' CR Ventilation supply fan prior to its failure on October 22, 2006. In response to an NRC question, AmerGen is submitting this letter to provide more detailed information regarding the 'B' supply fan performance prior to failure.

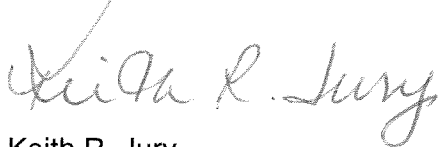
In accordance with the CPS Performance Centered Maintenance Program, periodic vibration testing is performed to monitor and trend the 'B' supply fan performance. This monitoring is considered an effective means to determine degradation of fan performance. The most recent set of vibration data was obtained on September 27, 2006, with no adverse trends or indications noted. The vibration trends from November 2004 through September 27, 2006, as well as the September 27, 2006, frequency spectrums are provided in the attachment to this letter. This detailed information confirms that there were no adverse trends or data indicating the imminent failure of the 'B' supply fan.

If you have any questions concerning this letter, please contact Mr. David Gullott at (630) 657-2819.

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I declare under penalty of perjury that the foregoing is true and correct. Executed on the 28th day of October 2006.

Respectfully,

A handwritten signature in cursive script that reads "Keith R. Jury". The signature is written in dark ink and is positioned above the printed name.

Keith R. Jury  
Director – Licensing and Regulatory Affairs  
AmerGen Energy Company, LLC

Attachment: 'B' CR Ventilation Supply Fan Vibration Data

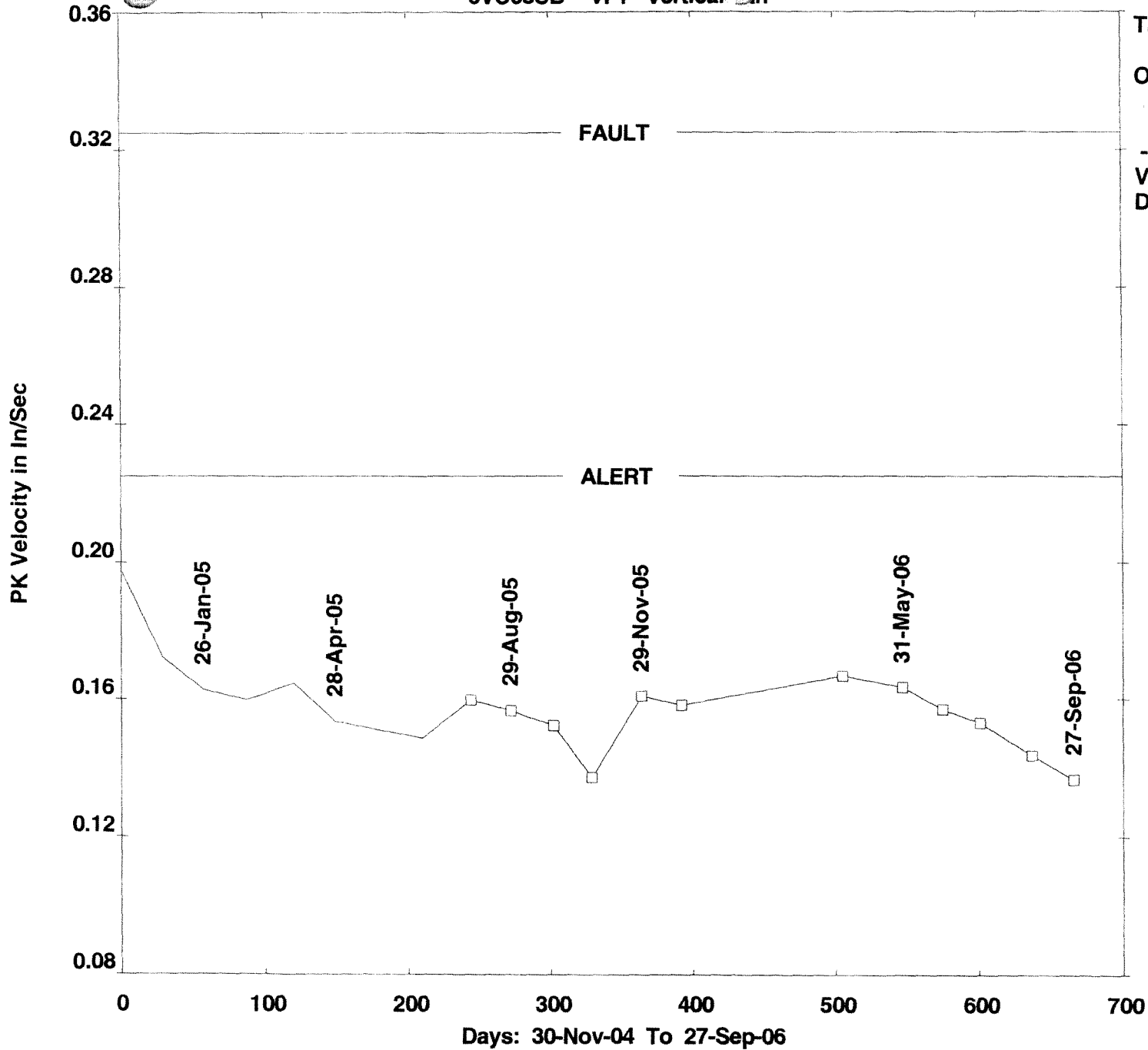
## **Attachment**

### **'B' Control Room Ventilation Supply Fan Vibration Data**

CB - Control Room Supply Fan B  
0VC03CB -VF1 Vertical Fan

Trend Display  
of  
Overall Value

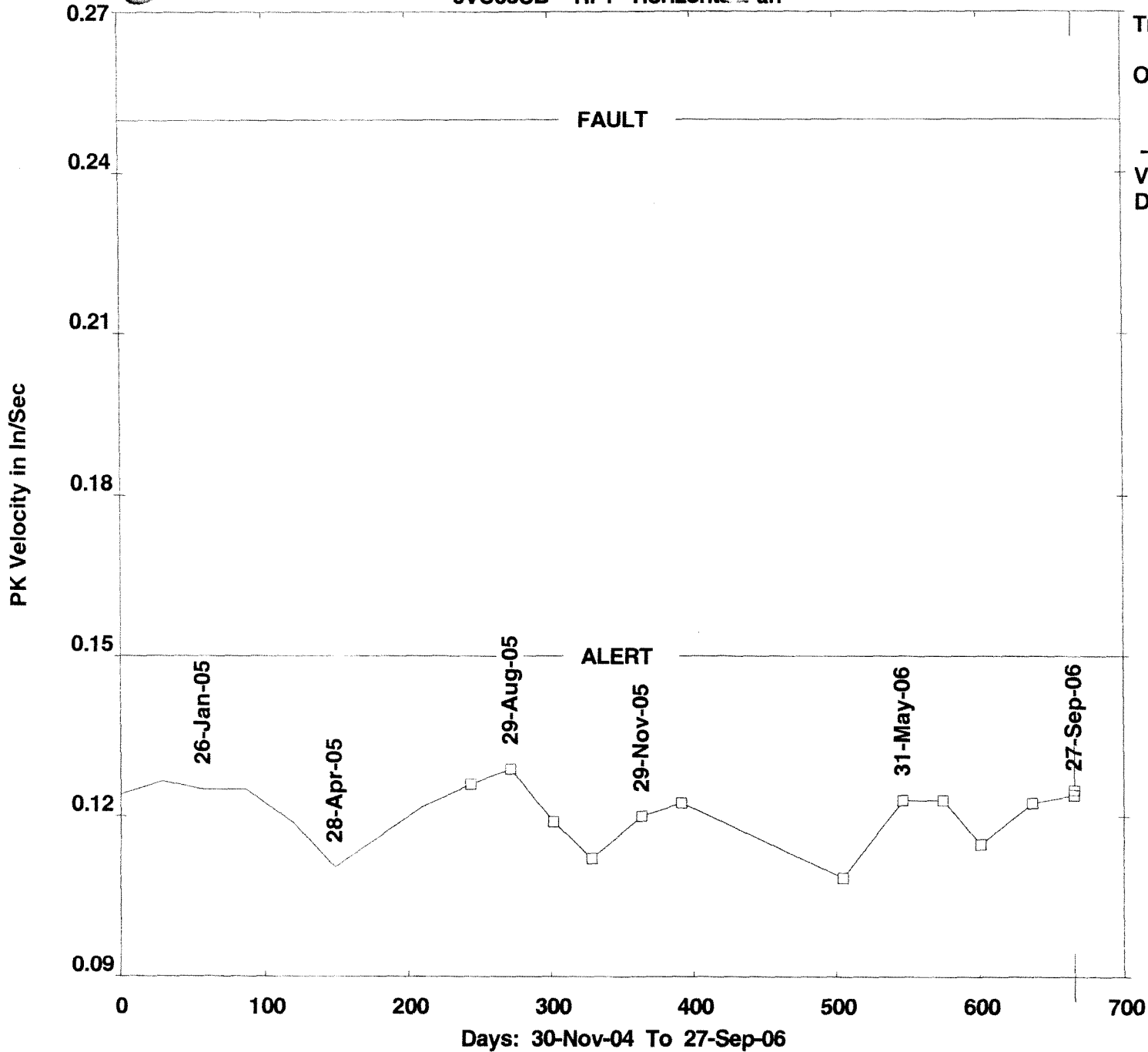
-- Baseline --  
Value: .242  
Date: 02-Feb-01



CB - Control Room Supply Fan B  
0VC03CB -HF1 Horizontal Fan

Trend Display  
of  
Overall Value

— Baseline —  
Value: .201  
Date: 02-Feb-01

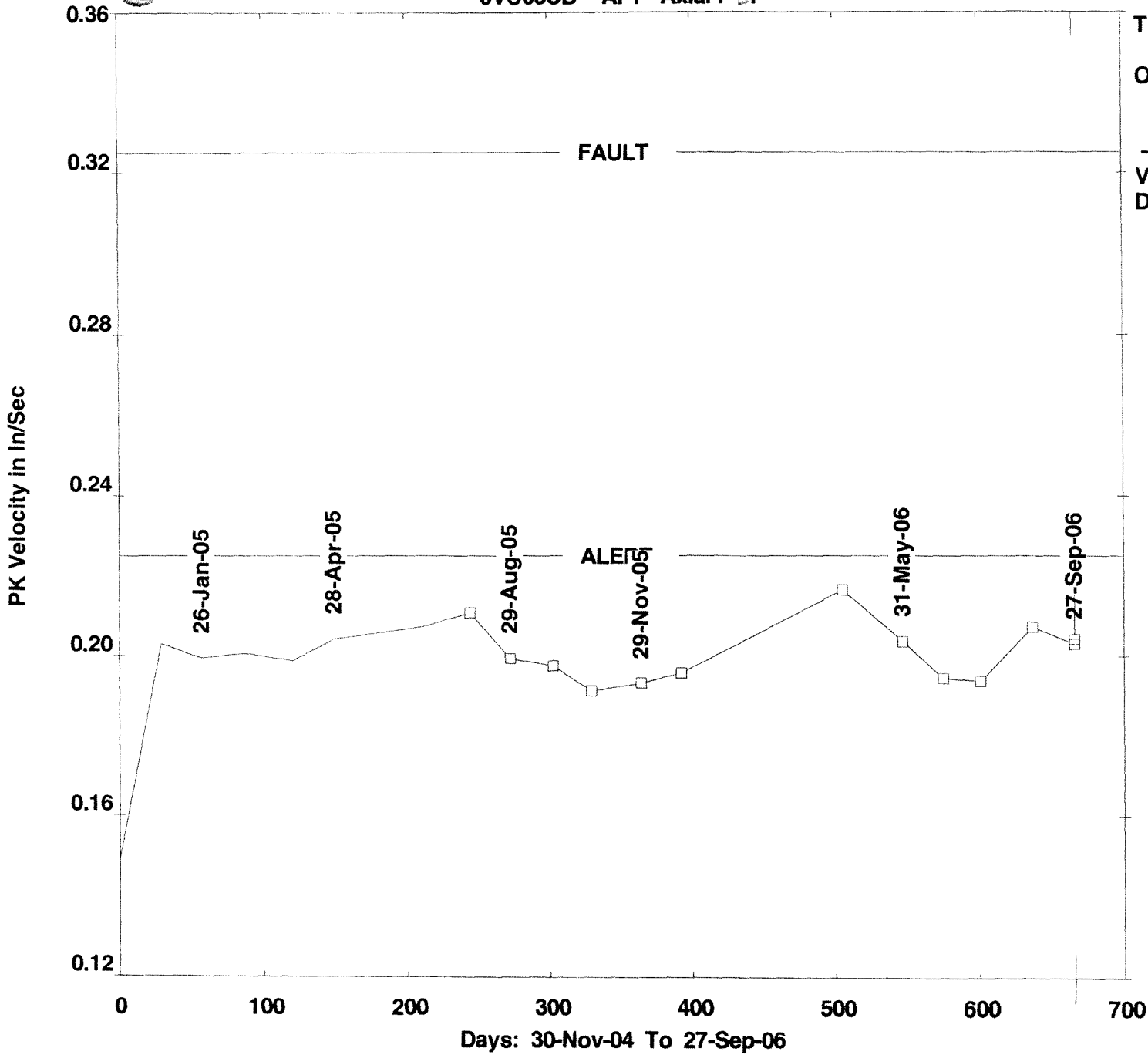


Date: 27-Sep-06  
Time: 07:37:36  
Ampl: .124

CB - Control Room Supply in B  
0VC03CB -AF1 Axial

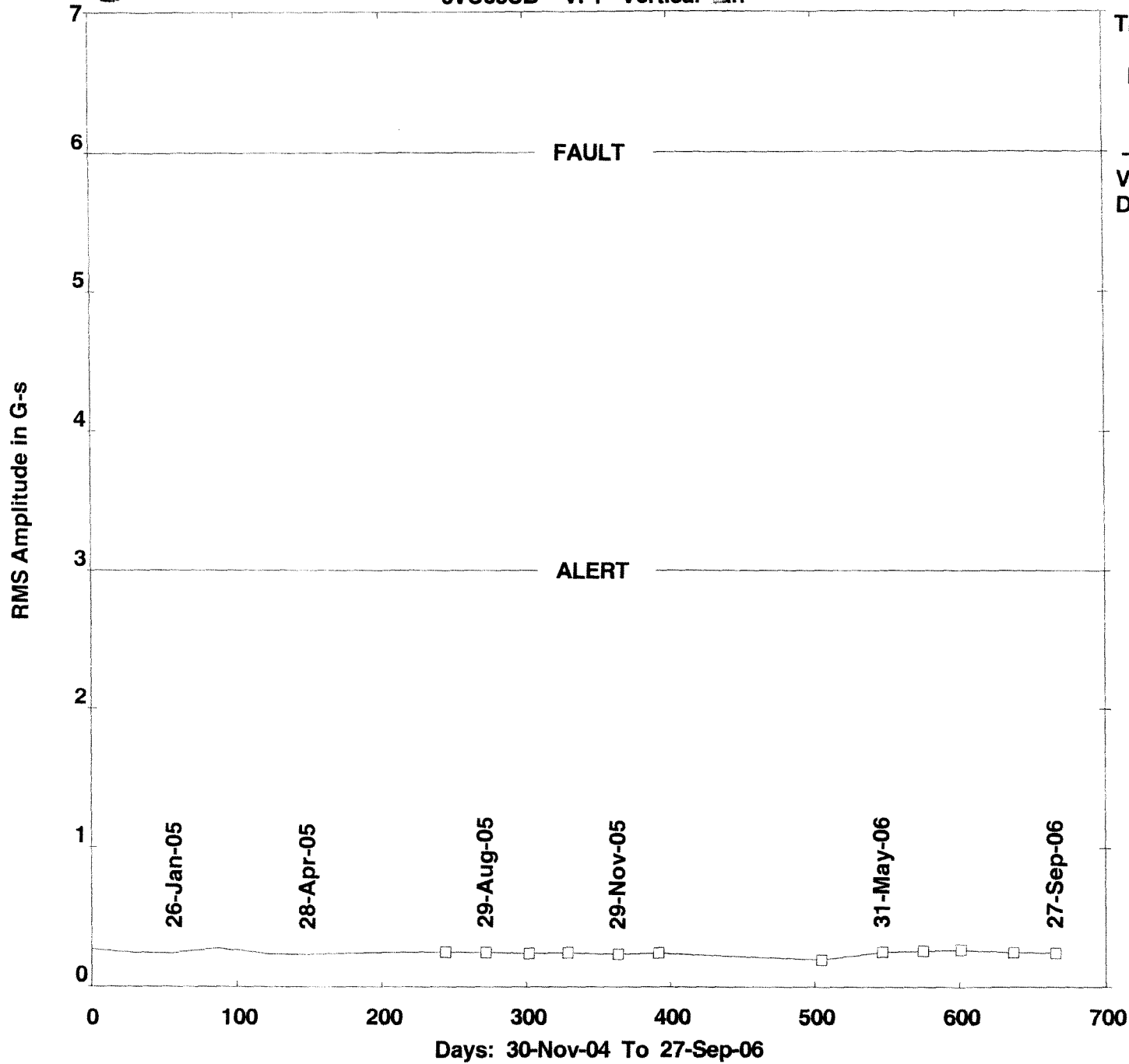
Trend Display  
of  
Overall Value

-- Baseline --  
Value: .325  
Date: 02-Feb-01



Date: 27-Sep-06  
Time: 07:37:50  
Ampl: .203

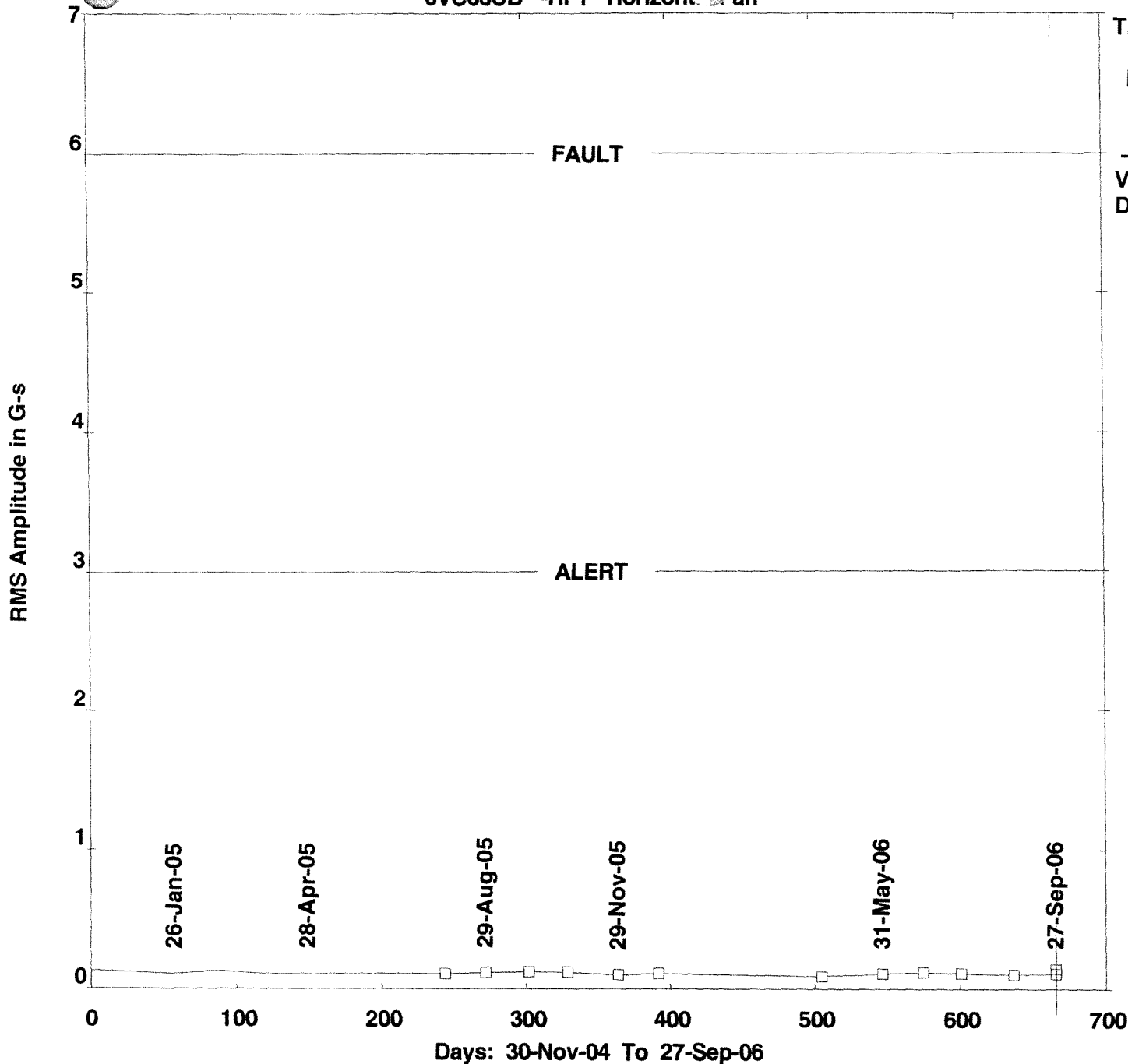
CB - Control Room Supply in B  
0VC03CB -VF1 Vertical in



Trend Display  
of  
Low Freq

- Baseline -  
Value: .07471  
Date: 02-Feb-01

CB - Control Room Supplement Fan B  
0VC03CB -HF1 Horizontal Fan



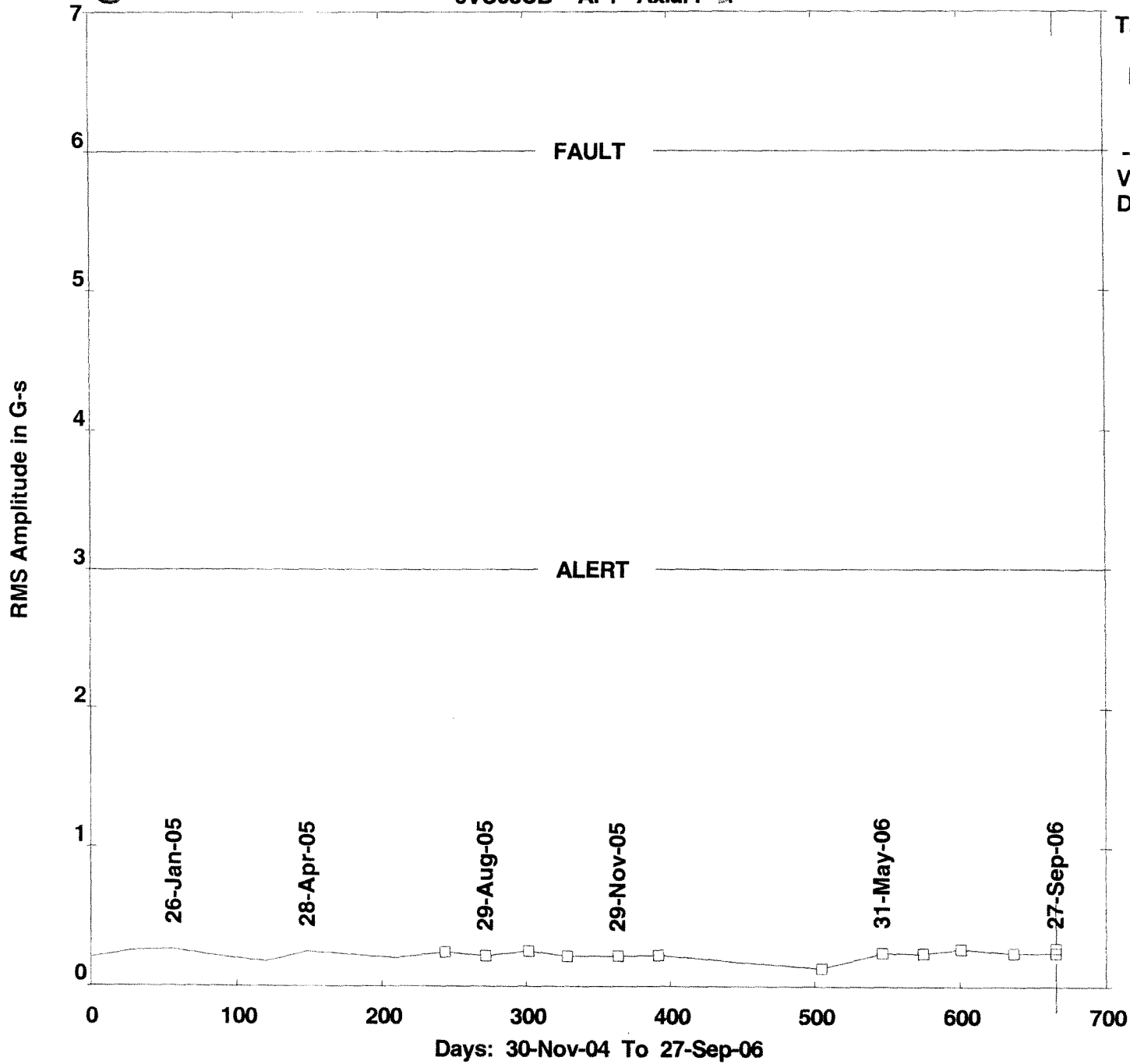
Trend Display  
of  
Low Freq

-- Baseline --  
Value: .06104  
Date: 02-Feb-01

Date: 27-Sep-06  
Time: 07:37:36  
Ampl: .111



CB - Control Room Supply in B  
0VC03CB -AF1 Axial i

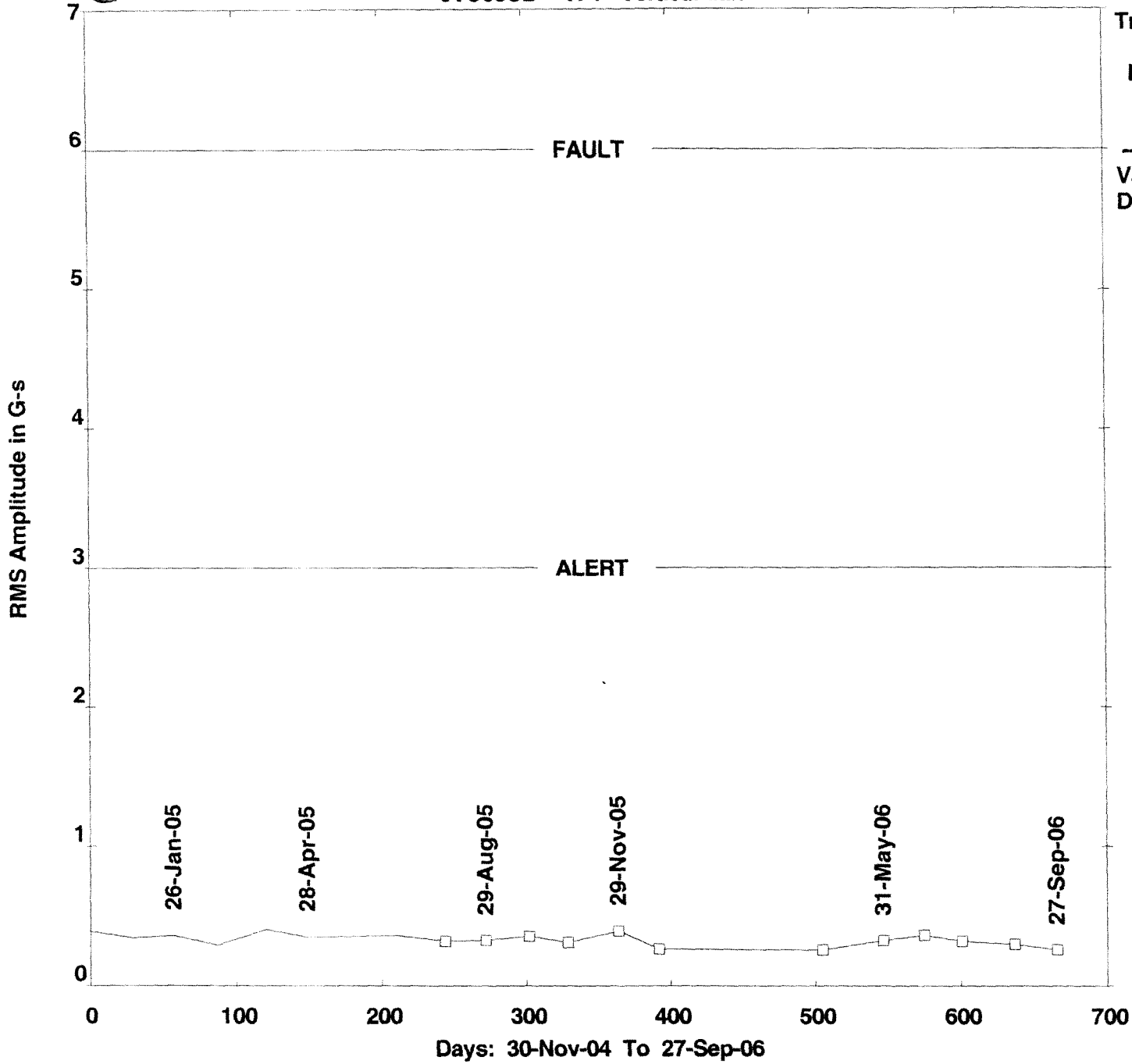


Trend Display  
of  
Low Freq

- Baseline -  
Value: .102  
Date: 02-Feb-01

Date: 27-Sep-06  
Time: 07:37:50  
Ampl: .243

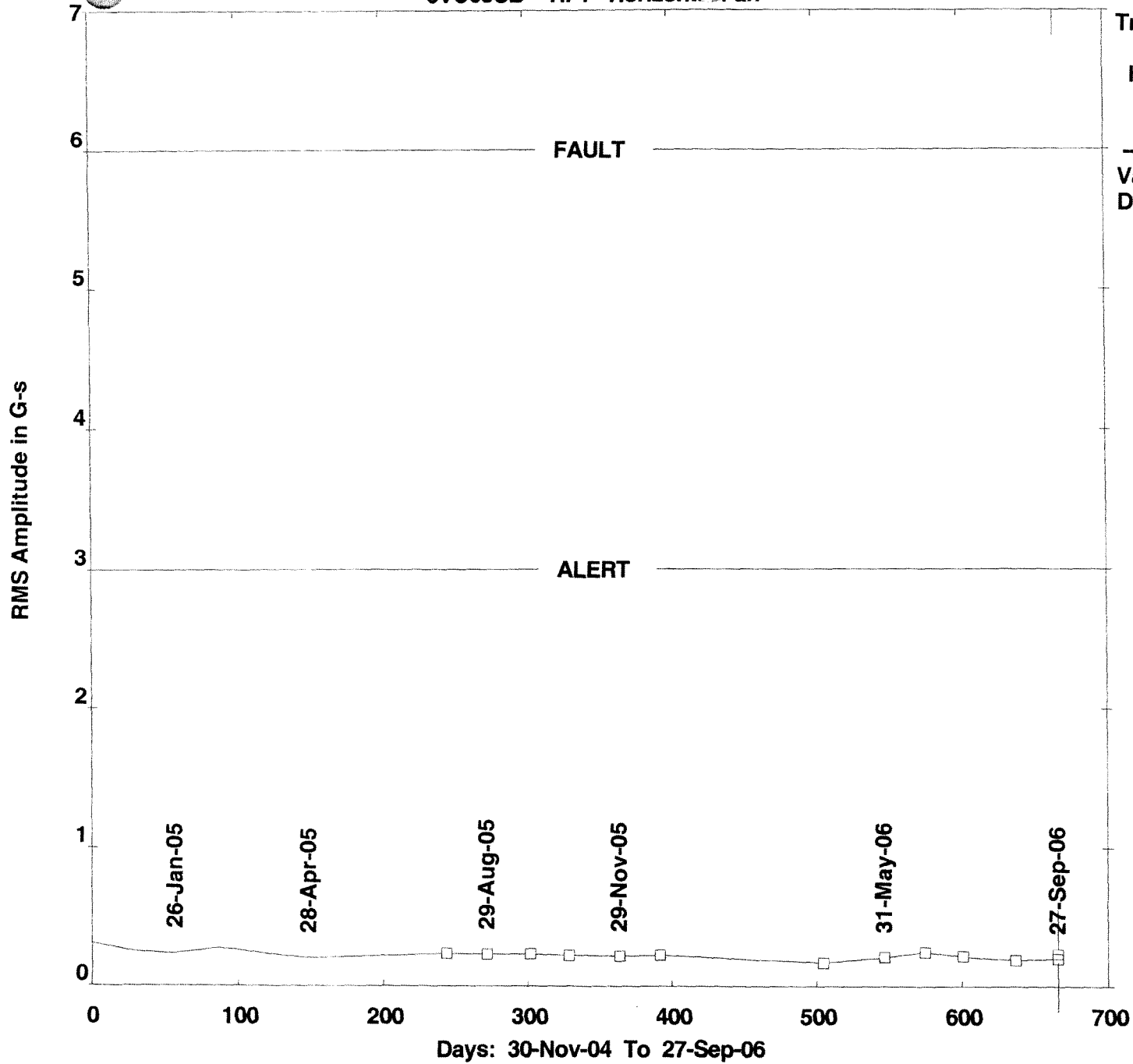
CB - Control Room Supply Fan B  
0VC03CB -VF1 Vertical Fan



Trend Display  
of  
High freq

-- Baseline --  
Value: .00311  
Date: 02-Feb-01

CB - Control Room Supply Fan B  
0VC03CB -HF1 Horizontal Fan

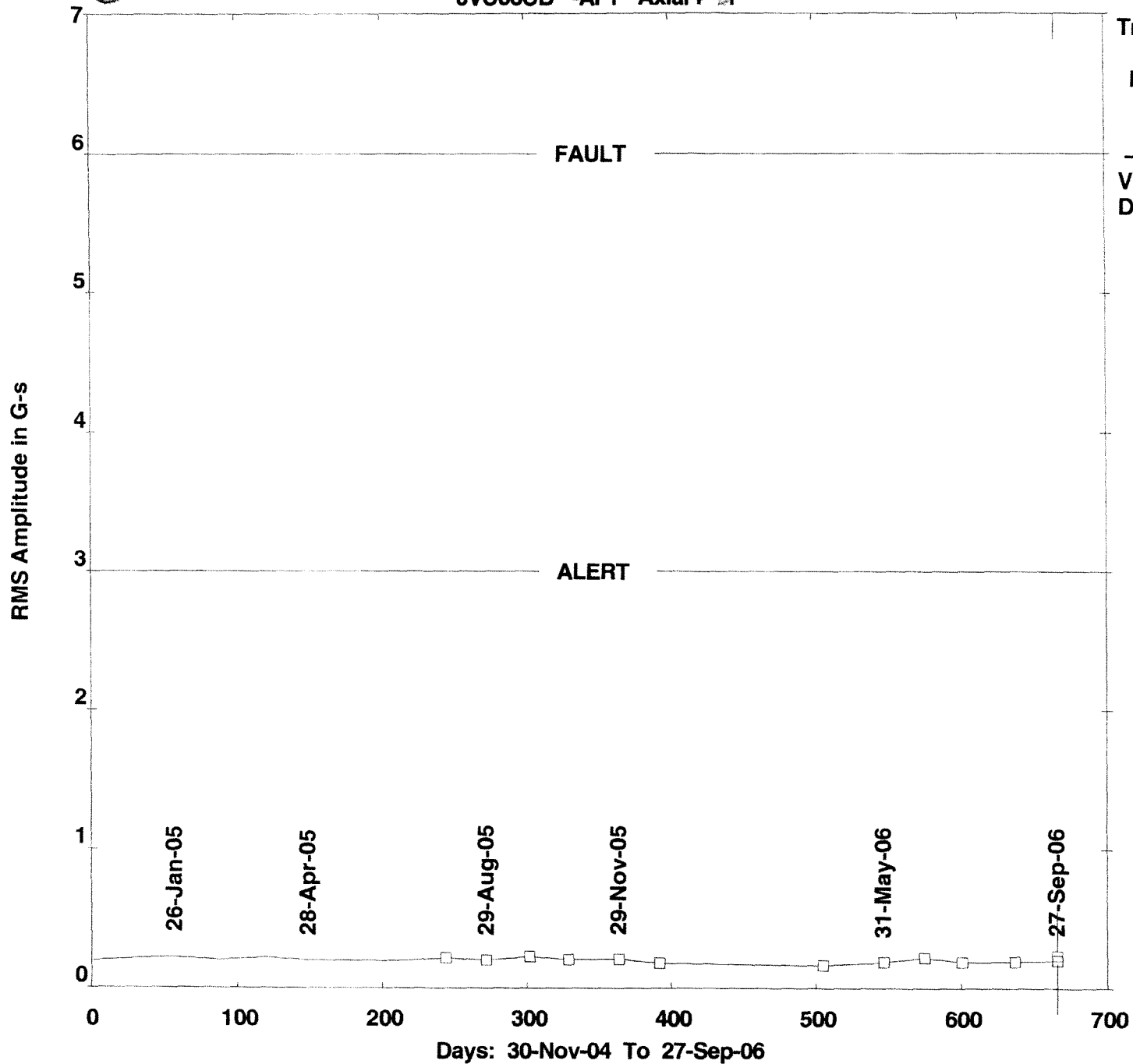


Trend Display  
of  
High freq

- Baseline -  
Value: .00135  
Date: 02-Feb-01

Date: 27-Sep-06  
Time: 07:37:36  
Ampl: .201

CB - Control Room Supply Fan B  
0VC03CB -AF1 Axial



Trend Display  
of  
High freq

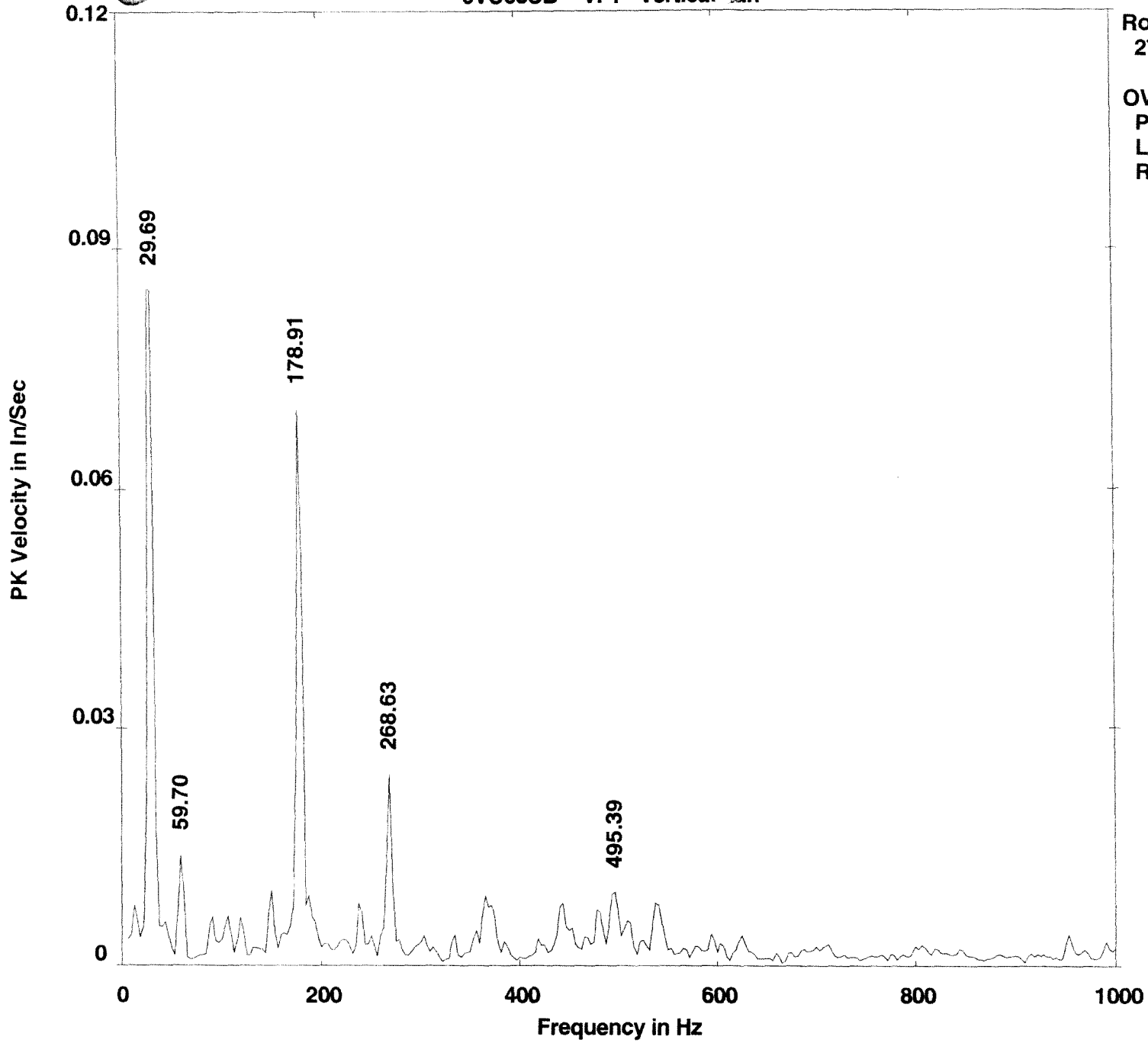
-- Baseline --  
Value: .01495  
Date: 02-Feb-01

Date: 27-Sep-06  
Time: 07:37:50  
Ampl: .200

CB - Control Room Supply Fan B  
0VC03CB -VF1 Vertical Fan

Route Spectrum  
27-Sep-06 07:37:29

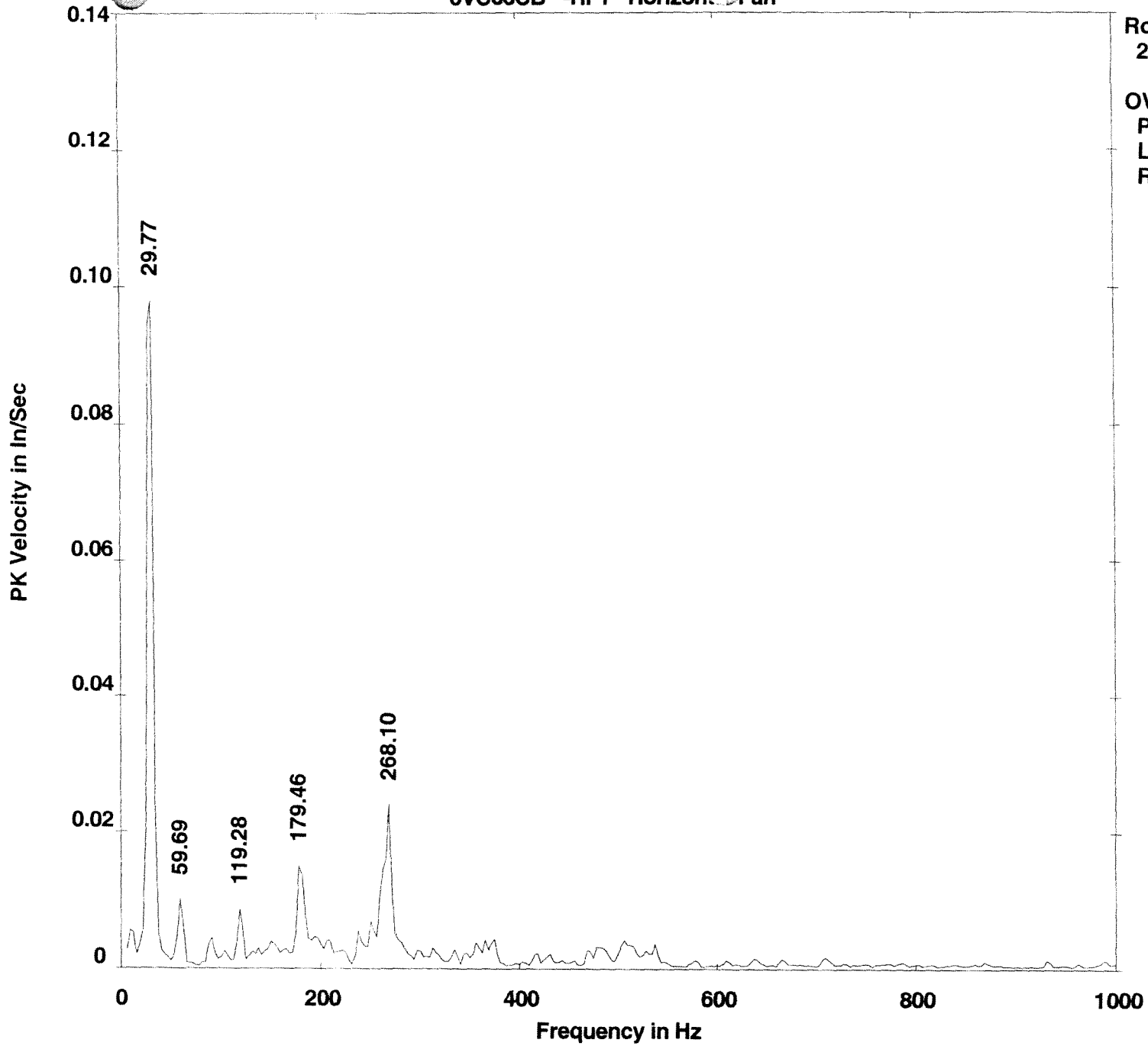
OVERALL= .1366 V-DG  
PK = .1357  
LOAD = 100.0  
RPM = 1800. (30.00 Hz)



CB - Control Room Supp' Fan B  
0VC03CB -HF1 Horizon Fan

Route Spectrum  
27-Sep-06 07:37:41

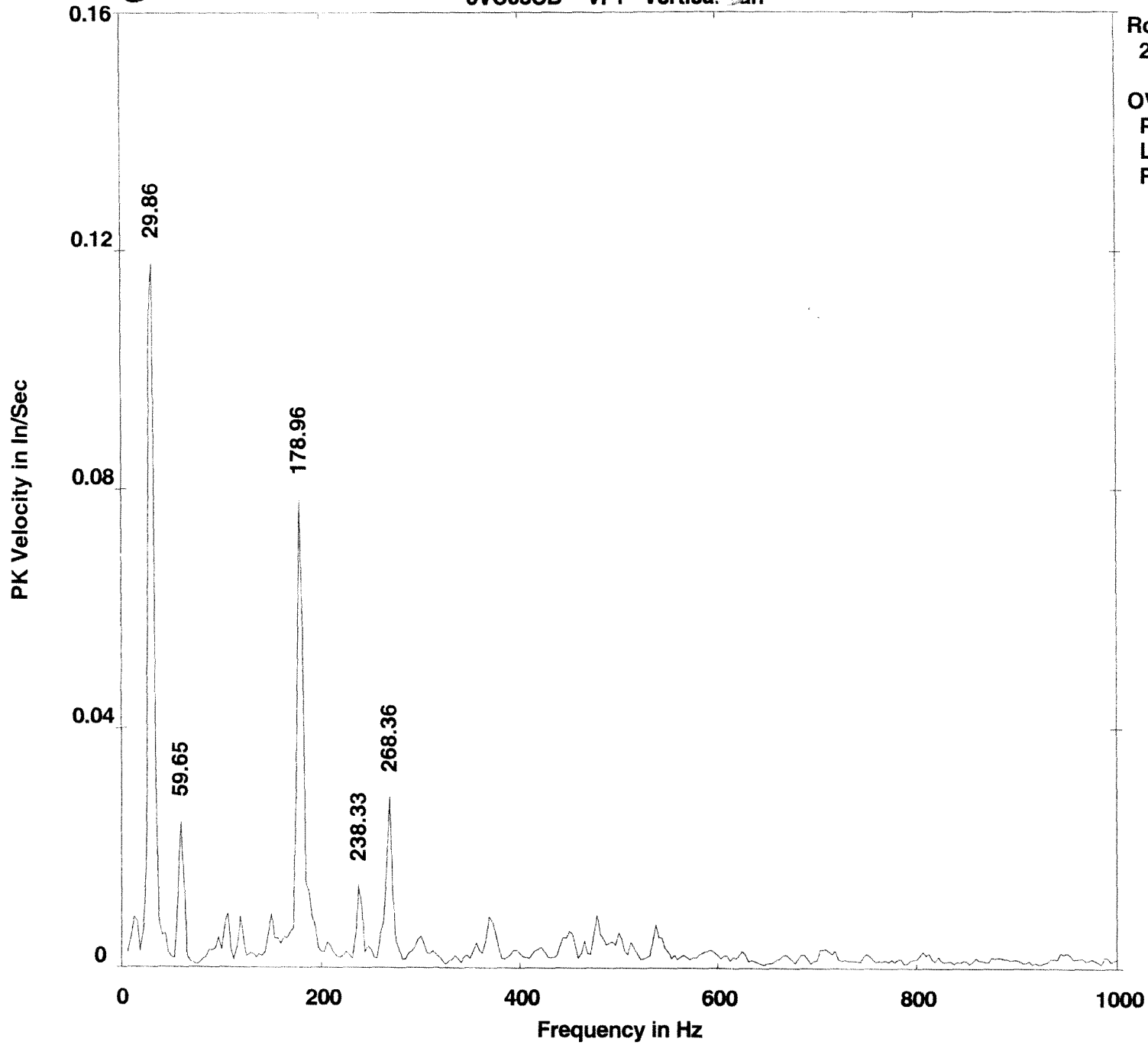
OVERALL= .1240 V-DG  
PK = .1231  
LOAD = 100.0  
RPM = 1800. (30.00 Hz)



CB - Control Room Supply Fan B  
0VC03CB -VF1 Vertical Fan

Route Spectrum  
29-Dec-04 08:09:13

OVERALL= .1722 V-DG  
PK = .1701  
LOAD = 100.0  
RPM = 1800. (30.00 Hz)



CB - Control Room Supply Fan B  
0VC03CB -HF1 Horizontal Fan

Route Spectrum  
29-Dec-04 08:09:25

OVERALL= .1264 V-DG  
PK = .1255  
LOAD = 100.0  
RPM = 1800. (30.00 Hz)

