SUN MICROSYSTEMS, INC. Form SC 13G/A August 08, 2008

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G Under the Securities Exchange Act of 1934

(Amendment No. 1) \*

Sun Microsystems, Inc.

(Name of Issuer)

Common Stock

(Title of Class and Securities)

866810203

(CUSIP Number of Class of Securities)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

/X/ Rule 13d-1(b) // Rule 13d-1(c) // Rule 13d-1(d)

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior page.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

(Continued on following page(s))

		i, Inc. I.D. No. 62-0951781		
2) CF	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP:  (a)			
		(b) X		
2) 01				
3) SE	EC USE ONLY			
	ITIZENSHIP OR PLACE OF ORGAN ennessee	IIZATION		
		:(5) SOLE VOTING POWER		
	0- 041-D-0 D-W	: (Discretionary Accounts)		
NUMBER OF SHARES BENEFICIALLY DWNED BY EACH REPORTING PERSON		: 61,834,159 shares		
ITH		:(6) SHARED OR NO VOTING POWER		
		56,031,145 shares (Shared)		
		11,315,725 shares (No Vote)		
		:(7) SOLE DISPOSITIVE POWER		
		(Discretionary Accounts)		
		: 73,107,534 shares		
		:(8) SHARED DISPOSITIVE POWER		
		. ,		
		: 56,031,145 shares (Shared) 42,350 shares (None)		
		42,330 Shares (None)		
(9) A(	GGREGATE AMOUNT BENEFICIALLY	OWNED BY EACH REPORTING PERSON		
	129,181,029 shares			
,	CHECK BOX IF THE AGGREGATE A CERTAIN SHARES -X- See Items			
(11) E	PERCENT OF CLASS REPRESENTED	BY AMOUNT IN ROW 9		
(12)	TYPE OF REPORTING PERSON			
	IA			
CUSIP N	No. 866810203	13G		
(1) NA	AMES OF REPORTING PERSONS			
	Longleaf Partners Fund	I.D. No. 63-6147721		
	HECK THE APPROPRIATE BOX IF	A MEMBER OF A GROUP:		
(2) CH		(a)		
(2) CI		(b) X		
(2) CF				
	EC USE ONLY			

		: (5)	SOLE VOTING POWER			
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		:	None			
		:(6) SHARED OR NO VOTING POWER				
			56,031,145 shares (Shared)			
		: (7)	SOLE DISPOSITIVE POWER			
		: None				
		:(8)	SHARED DISPOSITIVE POWER			
		:	56,031,145 shares (Shared)			
(9)	AGGREGATE AMOUNT BENEFICIALLY	Y OWNE	D BY EACH REPORTING PERSON			
	56,031,145 shares					
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW 9 EXCLUDES CERTAIN SHARES					
(11)	PERCENT OF CLASS REPRESENTED 7.2 %	D BY A	MOUNT IN ROW 9			
(12)	TYPE OF REPORTING PERSON IV					
CUSI	P No. 866810203		13G			
(1)	NAMES OF REPORTING PERSONS O. Mason Hawkins		I.D. No. XXX-XX-XXXX			
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP:					
			(a) (b) X			
(3)	SEC USE ONLY					
(4)	CITIZENSHIP OR PLACE OF ORGAN Citizen of United States	TIZENSHIP OR PLACE OF ORGANIZATION tizen of United States				
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH		: (5) : :	SOLE VOTING POWER (Discretionary Accounts) None			
		:(6)	SHARED VOTING POWER			
		:	None			
		: (7)	SOLE DISPOSITIVE POWER			
		:	None			
		: (8)	SHARED DISPOSITIVE POWER			

#### : None

- (9) AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

  None (See Item 3)

  (10) CHECK BOX IF THE AGGREGATE AMOUNT IN ROW 9 EXCLUDES
  CERTAIN SHARES

  (11) PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9
  0.0 %
- (12) TYPE OF REPORTING PERSON IN

#### Item 1.

- (a). Name of Issuer: Sun Microsystems, Inc.
   ("Issuer")
- (b). Address of Issuer's Principal Executive Offices:

4150 Network Circle Santa Clara, CA 95054

#### Item 2.

- (1) Southeastern Asset Management, Inc. 6410 Poplar Ave., Suite 900 Memphis, TN 38119
- (2) Longleaf Partners Fund
  c/o Southeastern Asset Management, Inc.
  6410 Poplar Avenue, Suite 900
  Memphis, TN, 38119
- (3) Mr. O. Mason Hawkins Chairman of the Board and C.E.O. Southeastern Asset Management, Inc. 6410 Poplar Ave., Suite 900 Memphis, TN 38119
- (c). Citizenship:

Southeastern Asset Management, Inc. - A Tennessee corporation

Longleaf Partners Fund, a series of Longleaf Partners Funds Trust, a Massachusetts business trust

Mr. O. Mason Hawkins - U.S. Citizen

(d). Title of Class of Securities: Common Stock (the "Securities").

- (e). Cusip Number: 866810203
- Item 3. If this statement is filed pursuant to Rules 13d-1 (b) or 13d-2 (b), check whether the person filing is a:
- (d.) Investment Company registered under Sec. 8 of the Investment Company Act - Longleaf Partners Fund, a series of Longleaf Partners Funds Trust.
- (e.) Investment Adviser registered under Section 203 of the Investment Advisers Act of 1940. This statement is being filed by Southeastern Asset Management, Inc. as a registered investment adviser. All of the securities covered by this report are owned legally by Southeastern's investment advisory clients and none are owned directly or indirectly by Southeastern. As permitted by Rule 13d-4, the filing of this statement shall not be construed as an admission that Southeastern Asset Management, Inc. is the beneficial owner of any of the securities covered by this statement.
- (g.) Parent Holding Company. This statement is also being filed by Mr. O. Mason Hawkins, Chairman of the Board and C.E.O. of Southeastern Asset Management, Inc. in the event he could be deemed to be a controlling person of that firm as the result of his official positions with or ownership of its voting securities. The existence of such control is expressly disclaimed. Mr. Hawkins does not own directly or indirectly any securities covered by this statement for his own account. As permitted by Rule 13d-4, the filing of this statement shall not be construed as an admission that Mr. Hawkins is the beneficial owner of any of the securities covered by this statement.

### Item 4. Ownership:

- (a). Amount Beneficially Owned: (At 07/31/08) 129,181,029 shares. This amount includes 5,000,000 in shares underlying call options.
- (b). Percent of Class: 16.5 %

Above percentage is based on 781,783,680 shares of Common Stock outstanding.

- (c). Number of shares as to which such person has:
  - (i). sole power to vote or to direct the vote:61,834,159 shares
  - (ii). shared or no power to vote or to direct the vote:

Shared - 56,031,145 shares. This amount includes 5,000,000 in shares underlying call options. Securities owned by the following series of Longleaf Partners Funds Trust, an open-end management investment company registered under the Investment Company Act of 1940, as follows:

Longleaf Partners Fund - 56,031,145

No Power to Vote - 11,315,725. This figure does not Include 1,604,000 shares held by completely non-discretionary accounts over which the filing parties have neither voting nor dispositive power and for which the filing parties disclaim beneficial ownership.

(iii). sole power to dispose or to direct the disposition
 of:

73,107,534 shares

(iv). shared or no power to dispose or to direct the disposition of:

Shared - 56,031,145 shares. This amount includes 5,000,000 in shares underlying call options. Securities owned by the following series of Longleaf Partners Funds Trust, an open-end management investment company registered under the Investment Company Act of 1940, as follows:

Longleaf Partners Fund - 56,031,145

No Power - 42,350 shares. This figure does not Include 1,604,000 shares held by completely non-discretionary accounts over which the filing parties have neither voting nor dispositive power and for which the filing parties disclaim beneficial ownership.

- Item 5. Ownership of Five Percent or Less of a Class: N/A
- Item 6. Ownership of More Than Five Percent on Behalf of Another Person: N/A
- Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company: N/A
- Item 8. Identification and Classification of Members of the Group:  $_{\rm N/A}$
- Item 9. Notice of Dissolution of Group: N/A

Item 10. Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired for the purpose and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

Signatures

After reasonable inquiry and to the best of the knowledge and belief of the undersigned, the undersigned certifies that the information set forth in this statement is true, complete, and correct

Dated: August 8, 2008

Southeastern Asset Management, Inc.

By /s/ Andrew R. McCarroll

Andrew R. McCarroll Vice President and General Counsel

Longleaf Partners Fund
By: Southeastern Asset Management, Inc.

/s/ Andrew R. McCarroll

Andrew R. McCarroll Vice President & General Counsel

O. Mason Hawkins, Individually

/s/ O. Mason Hawkins

#### Joint Filing Agreement

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, the persons or entities named below agree to the joint filing on behalf of each of them of this Schedule 13G with respect to the Securities of the Issuer and further agree that this joint filing agreement be included as an exhibit to this Schedule 13G. In evidence thereof, the undersigned hereby execute this Agreement as of August 8, 2008.

Southeastern Asset Management, Inc.

By /s/ Andrew R. McCarroll

Andrew R. McCarroll Vice President and General Counsel

Longleaf Partners Fund
By: Southeastern Asset Management, Inc.
/s/ Andrew R. McCarroll

Andrew R. McCarroll Vice President & General Counsel

O. Mason Hawkins, Individually

/s/ O. Mason Hawkins

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SCHEDULE 13G - Sun Microsystems, Inc. ("Issuer")

Amendment No. 1

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