

Global "Purchasing Managers" Index

Diffusion Index, >50 = Growth

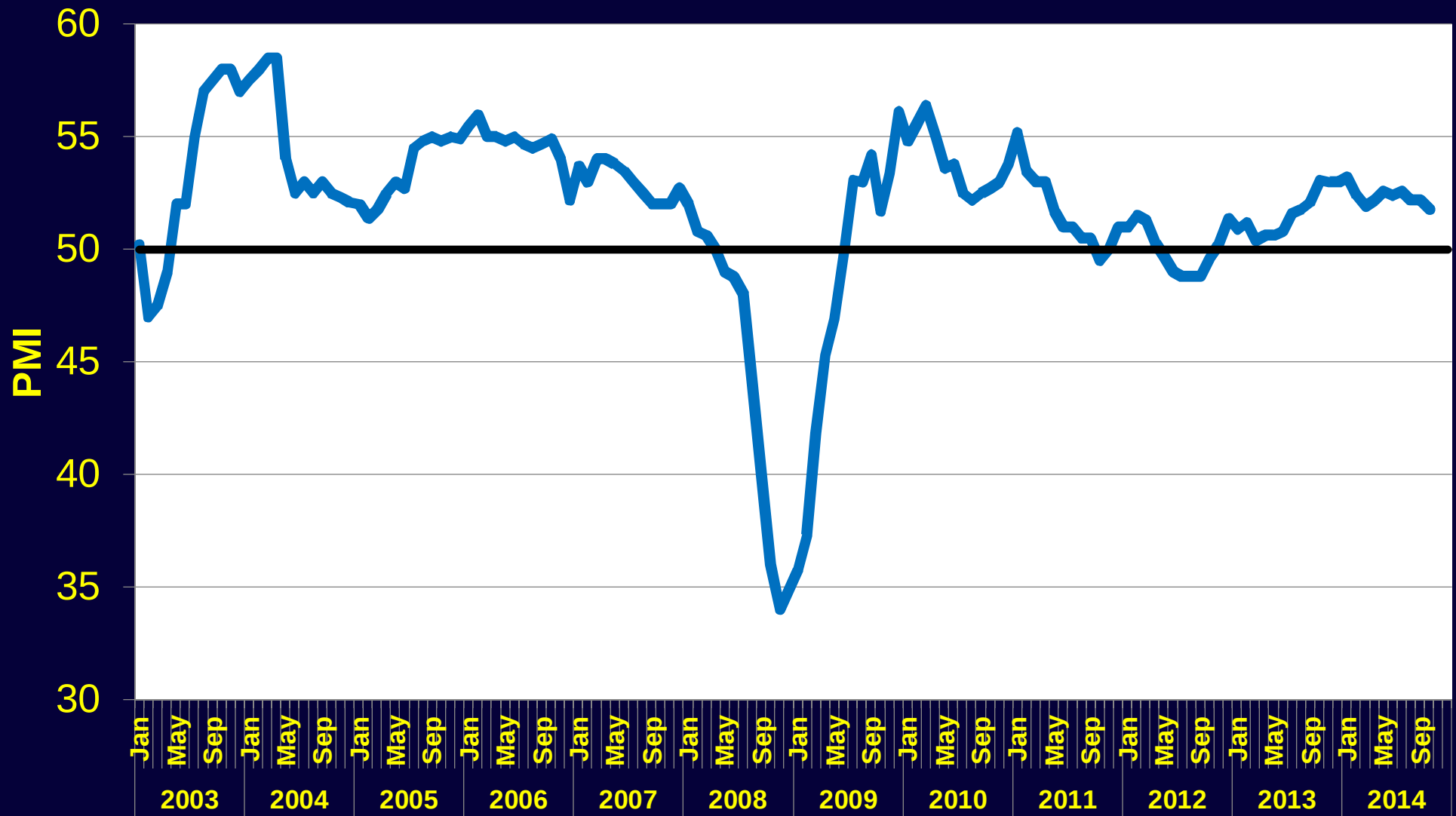
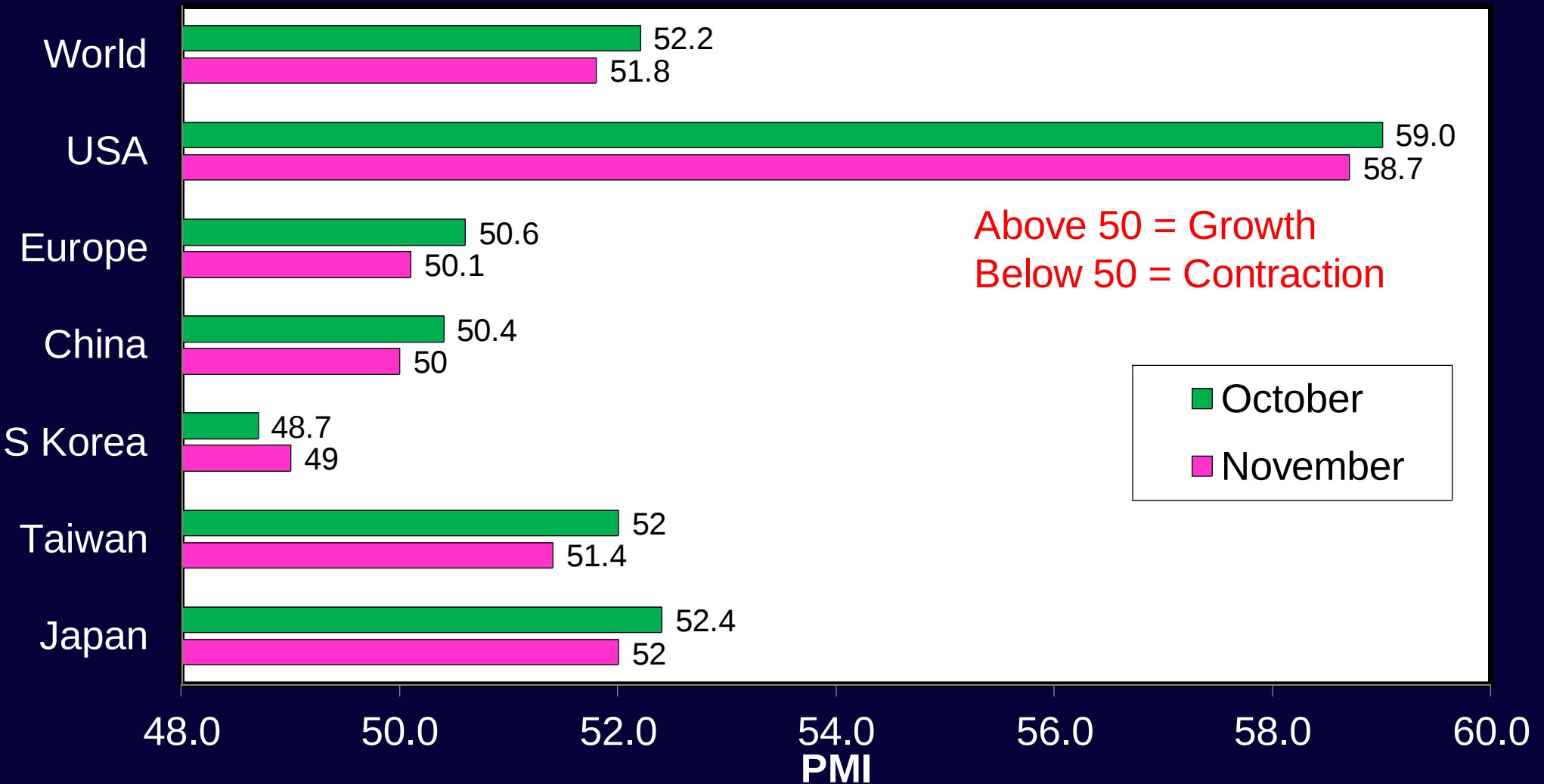


Chart 2

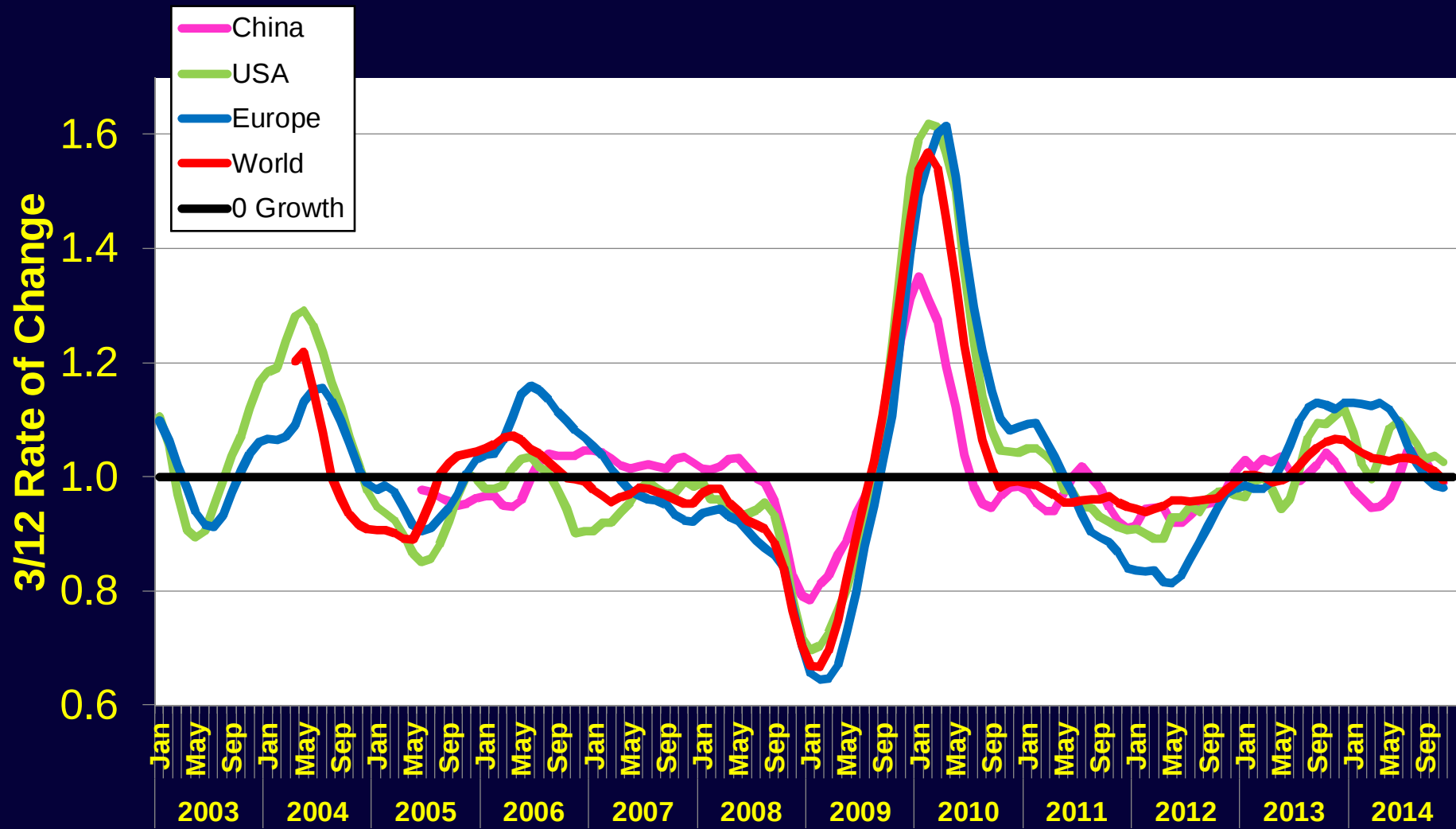
Purchasing Managers' Indices October vs. November 2014



Markit Economics, JPMorgan and ISM

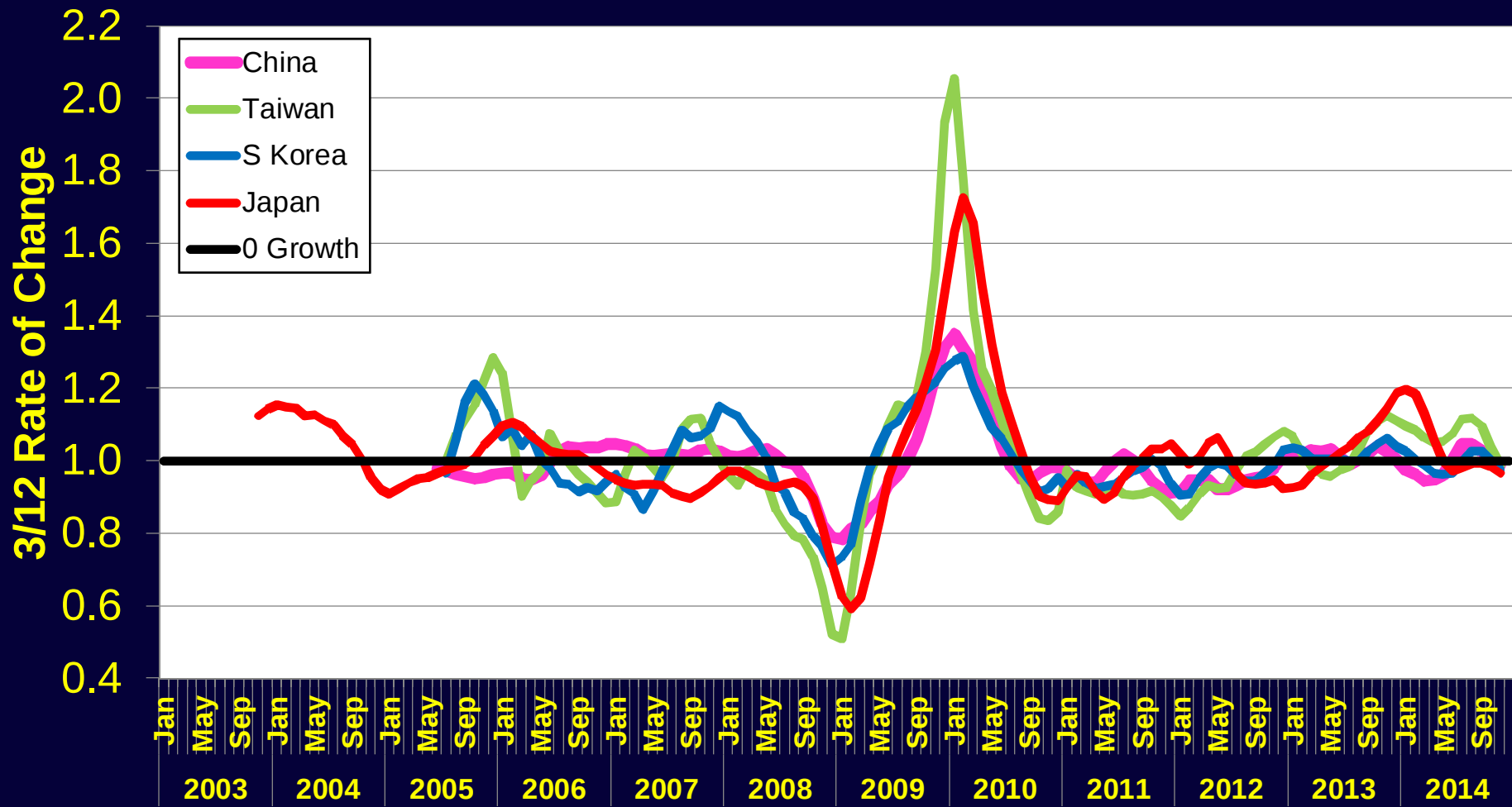
World Purchasing Managers Index

3/12 Rate of Change



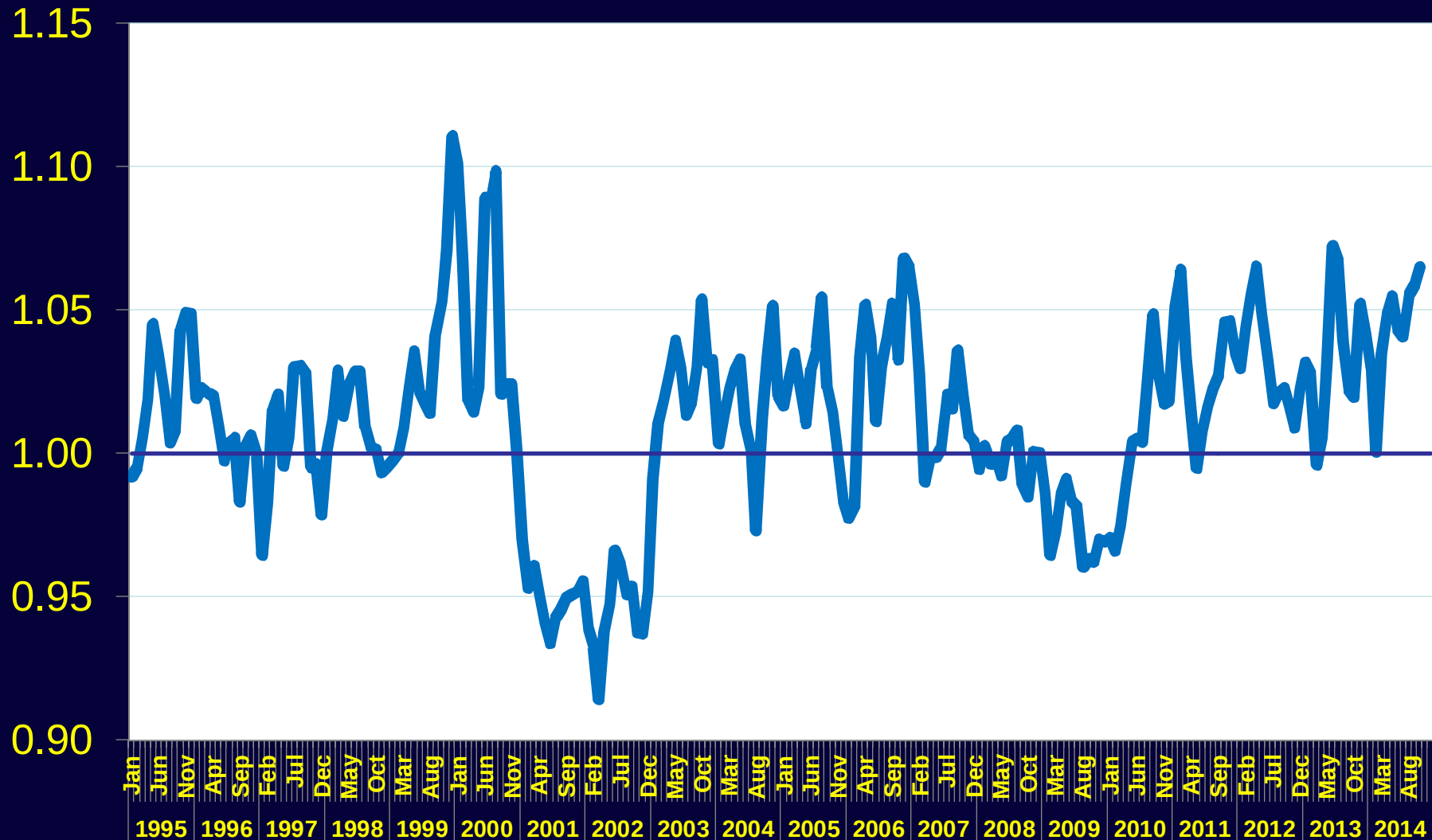
Asian Purchasing Managers Index

3/12 Rate of Change



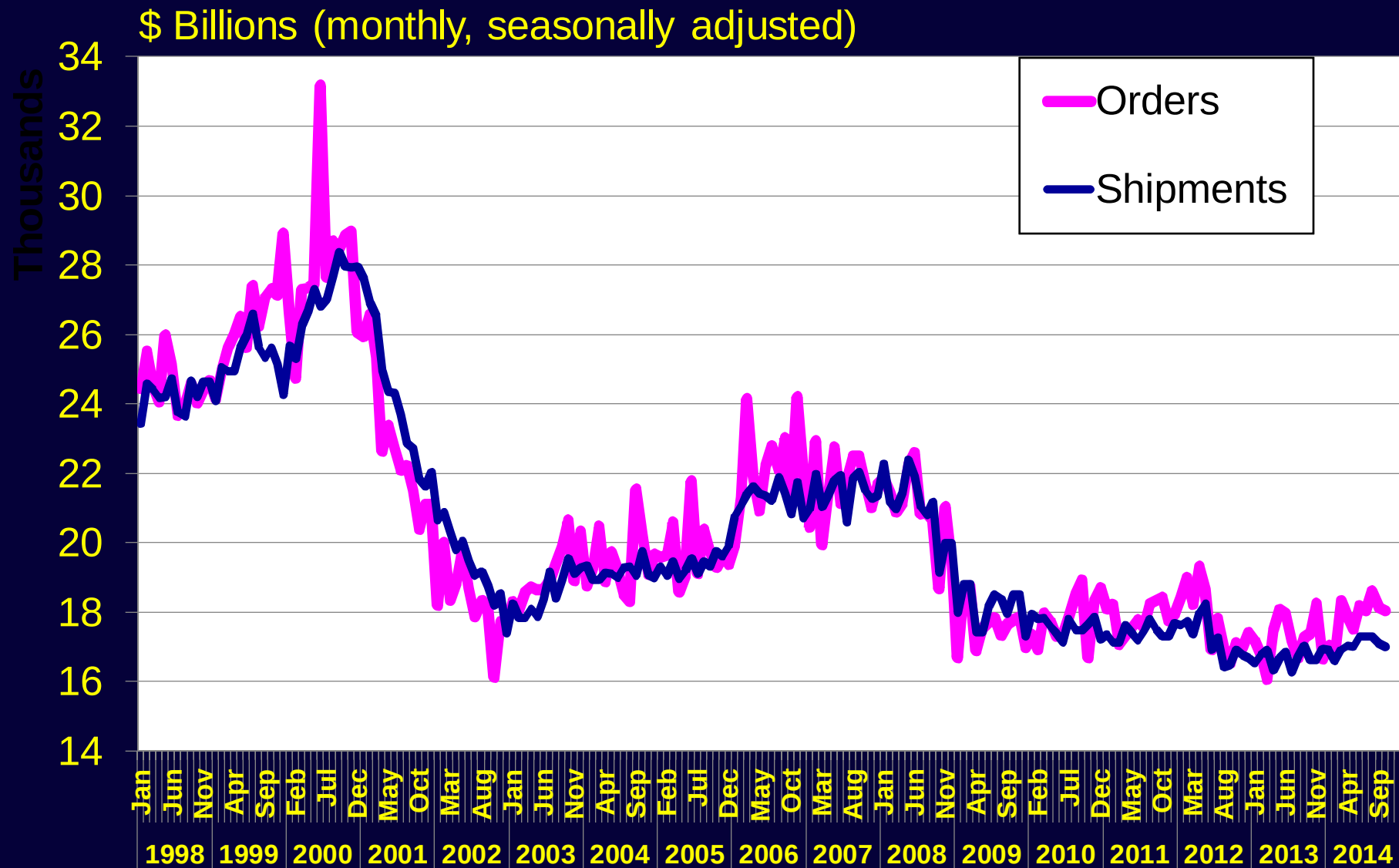
U.S. Electronic Equipment Book/Bill Ratio

3-Month Average



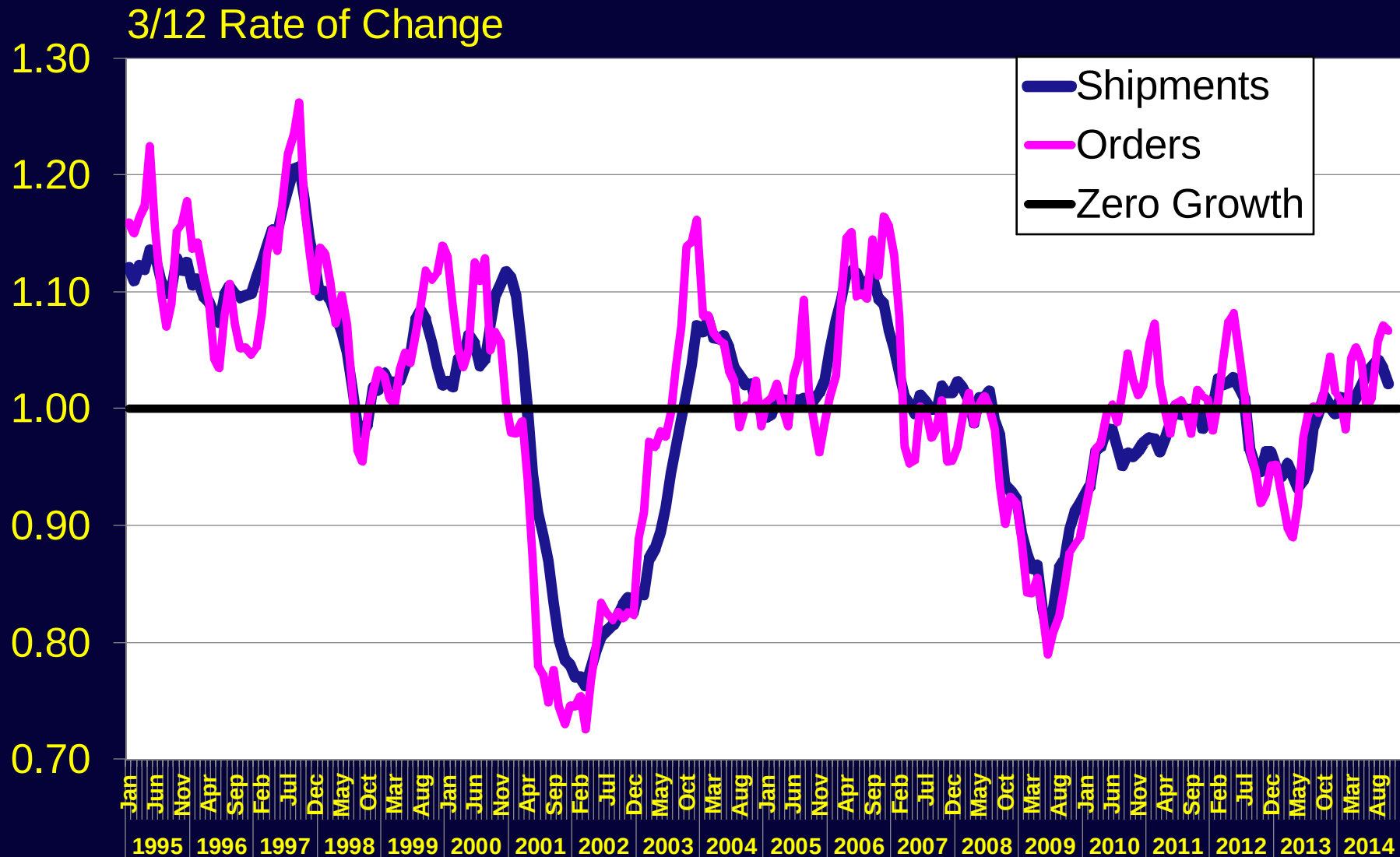
U.S. Electronic Equipment Orders & Shipments

Computer, Communications, Measurement & Control and Military

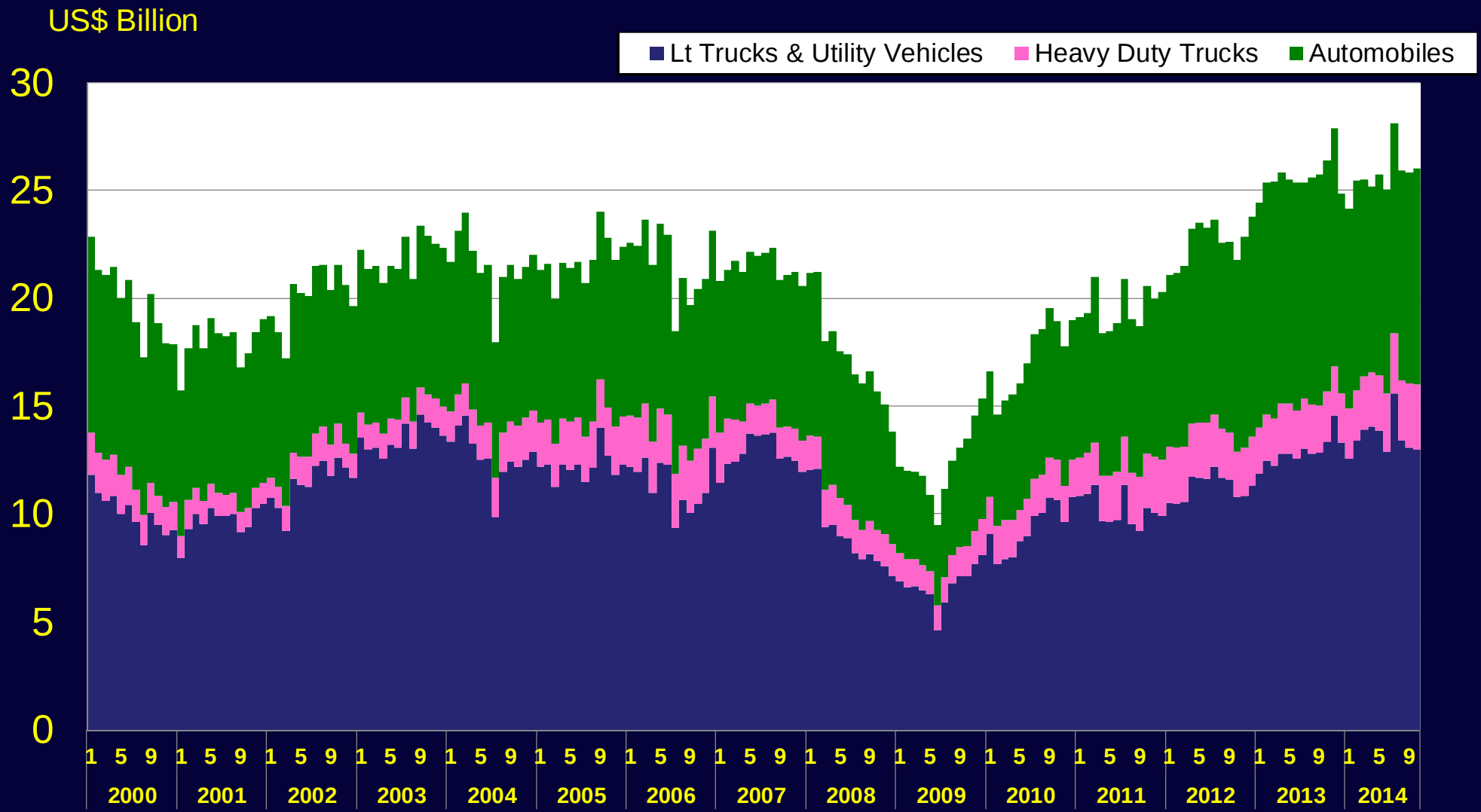


U.S. Electronic Equipment Order & Shipment Growth

Computer, Communications, Measurement & Control and Military

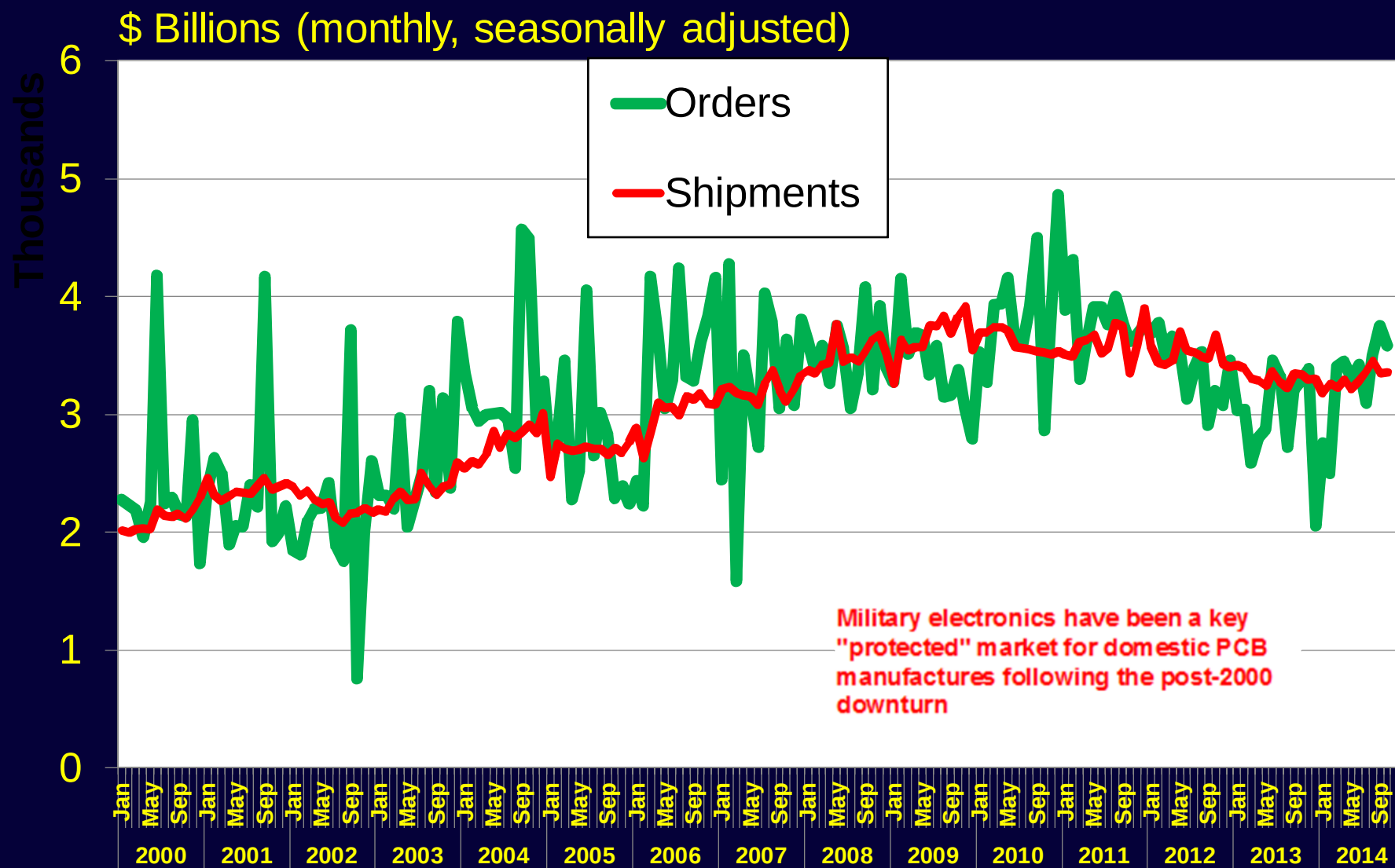


U.S. Vehicle Shipments



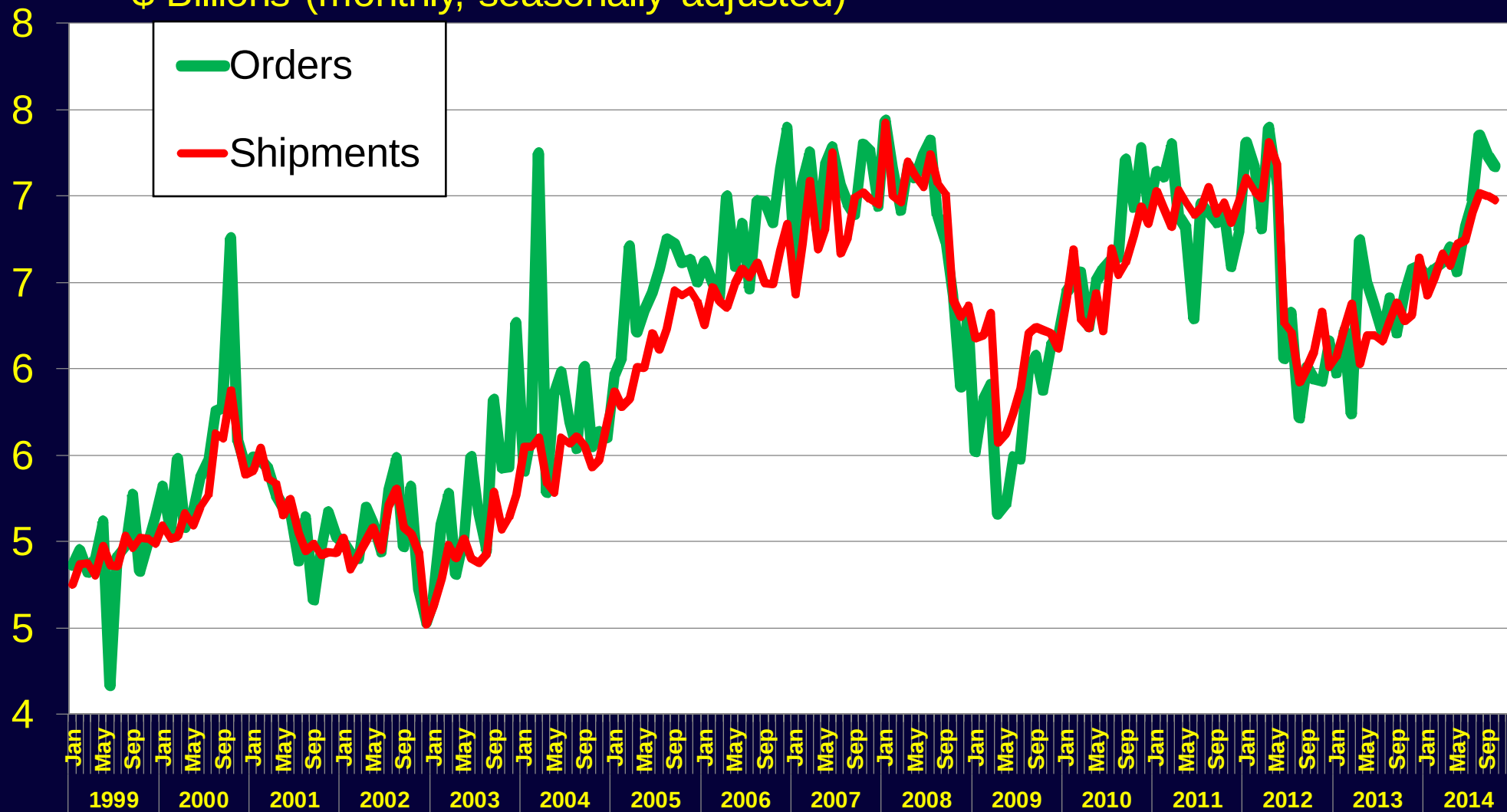
U.S. Military Electronics Orders & Shipments

Defense Communication & Search & Navigation Equipment

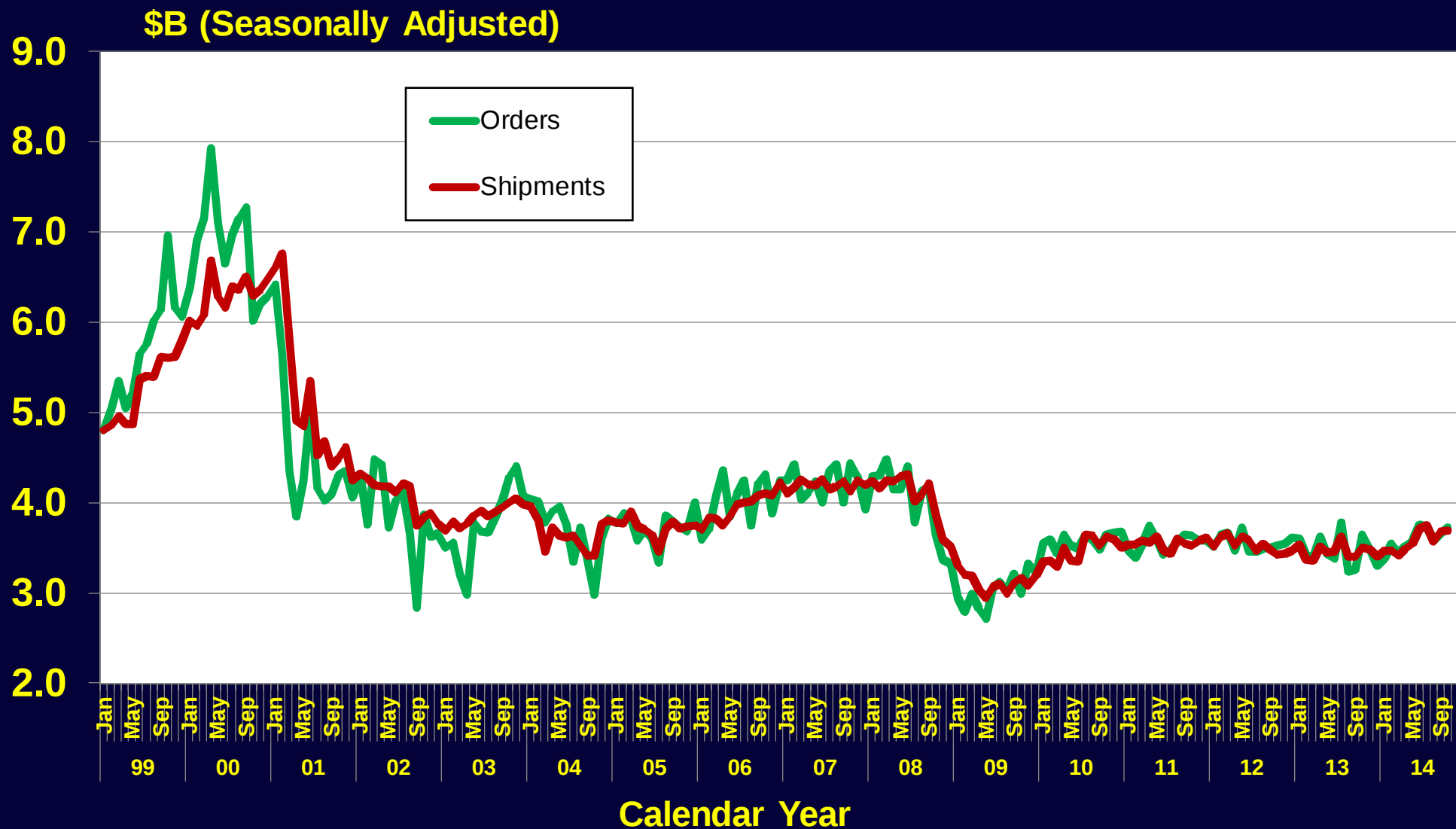


U.S. Electromedical, Measurement & Control Equipment Orders & Shipments

\$ Billions (monthly, seasonally adjusted)



U.S. Production: "Other" Electronic Components (excludes semiconductors) Orders & Shipments



Present Growth Rates (%)

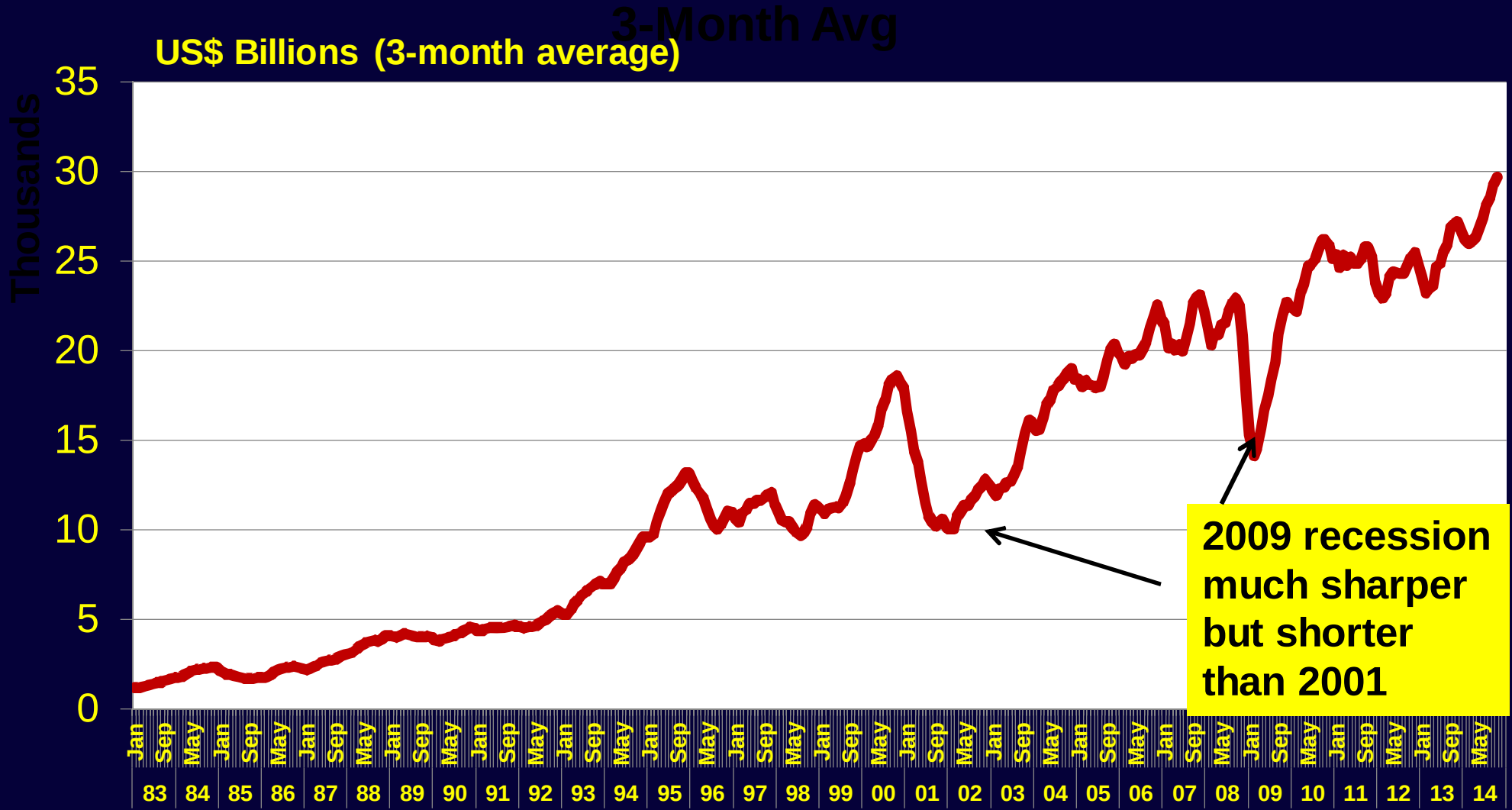
U.S. Economy & Electronics Industry

	Latest Month	Annual Growth	3-Month Growth
Electronic Component \$			
Rigid & Flex PCB Orders (N Amer)	10/14	97.7	111.6
Rigid & Flex PCB Shipments (N Amer)	10/14	99.7	98.1
Electronic Component Orders	10/14	101.9	108.1
Electronic Component Shipments	10/14	102.7	106.1
Semiconductor Shipments to N America	10/14	113.2	112.2
U.S. Electronic Equipment Orders \$			
Computer & Related	10/14	98.7	91.6
Communication	10/14	95.3	93.3
Medical, Measurement & Control	10/14	109.1	114.2
Search & Navigation	10/14	105.9	116.4
Defense Capital Goods	10/14	98.6	97.3
Military Electronics	10/14	103.6	117.4
Total Electronic Equipment	10/14	103.4	106.7
U.S. Industrial Production	10/14	103.9	104.1

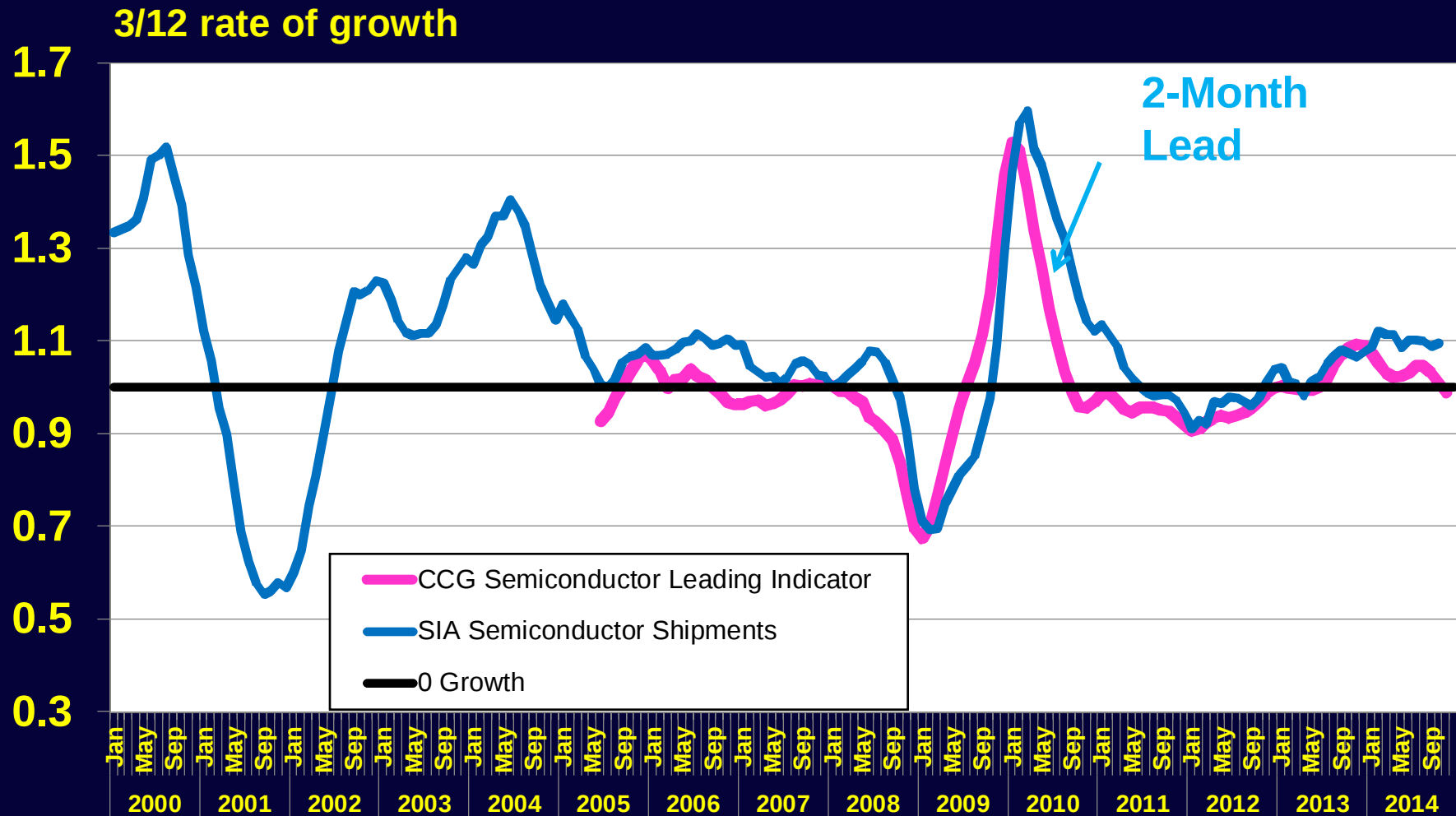
NOTE: 3 month growth rates compare most recent 3 months to same 3 months one year earlier

World Semiconductor Shipments

Monthly US\$



CCG Semiconductor Leading Indicator vs. Global Semiconductor Shipments

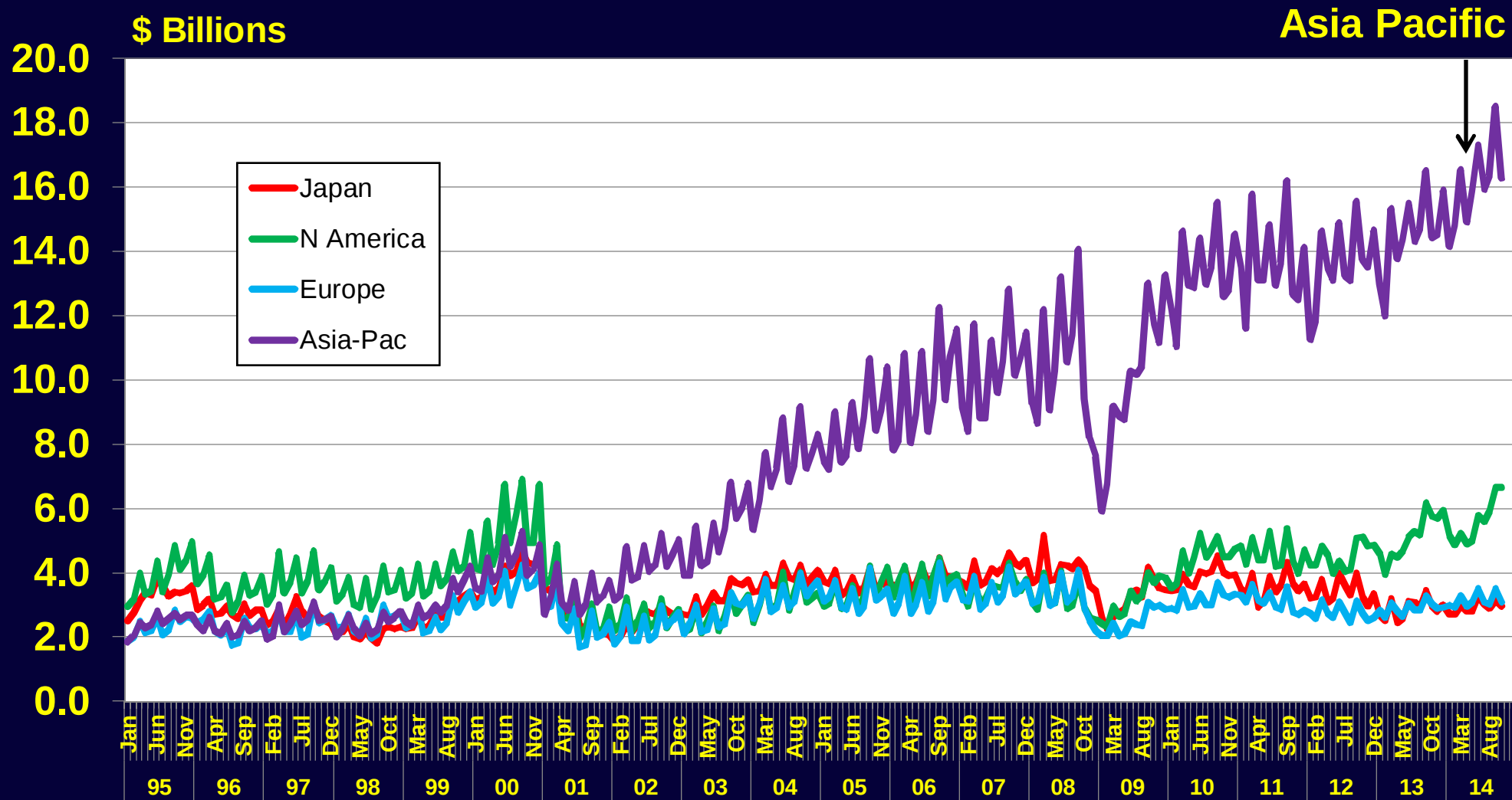


Monthly Semiconductor Shipments \$ Billions (3-month average)

	<u>10/13</u>	<u>10/14</u>	<u>% CH</u>
Americas	5.71	6.41	+ 12.2%
Europe	3.05	3.21	+5.2%
Japan	3.11	3.01	- 3.0%
Asia Pacific	15.22	17.05	+12.1%
Total	27.09	29.69	+ 9.6%

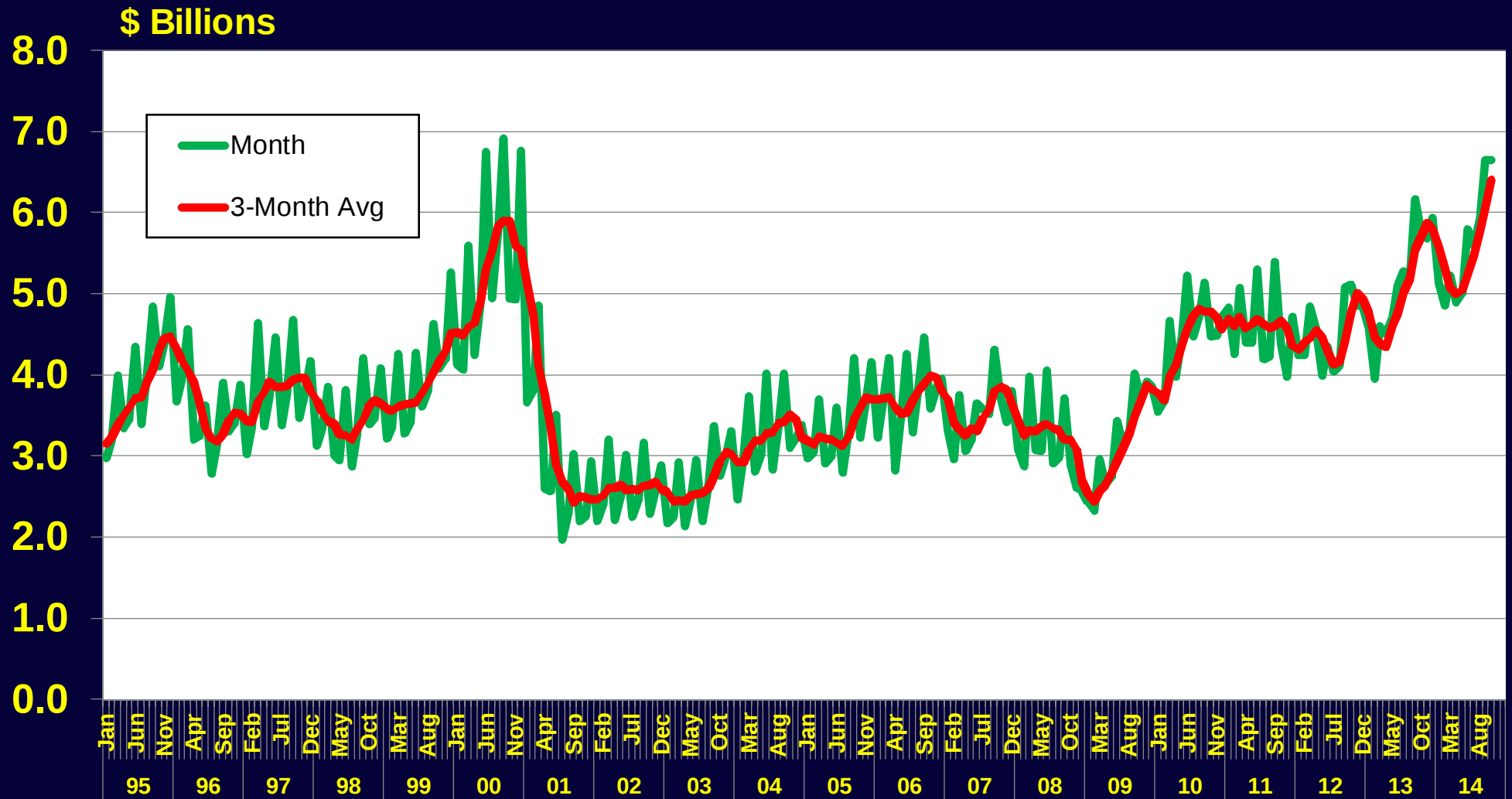
Total Semiconductor Shipments to an Area

Monthly Shipments - Reporting Firms

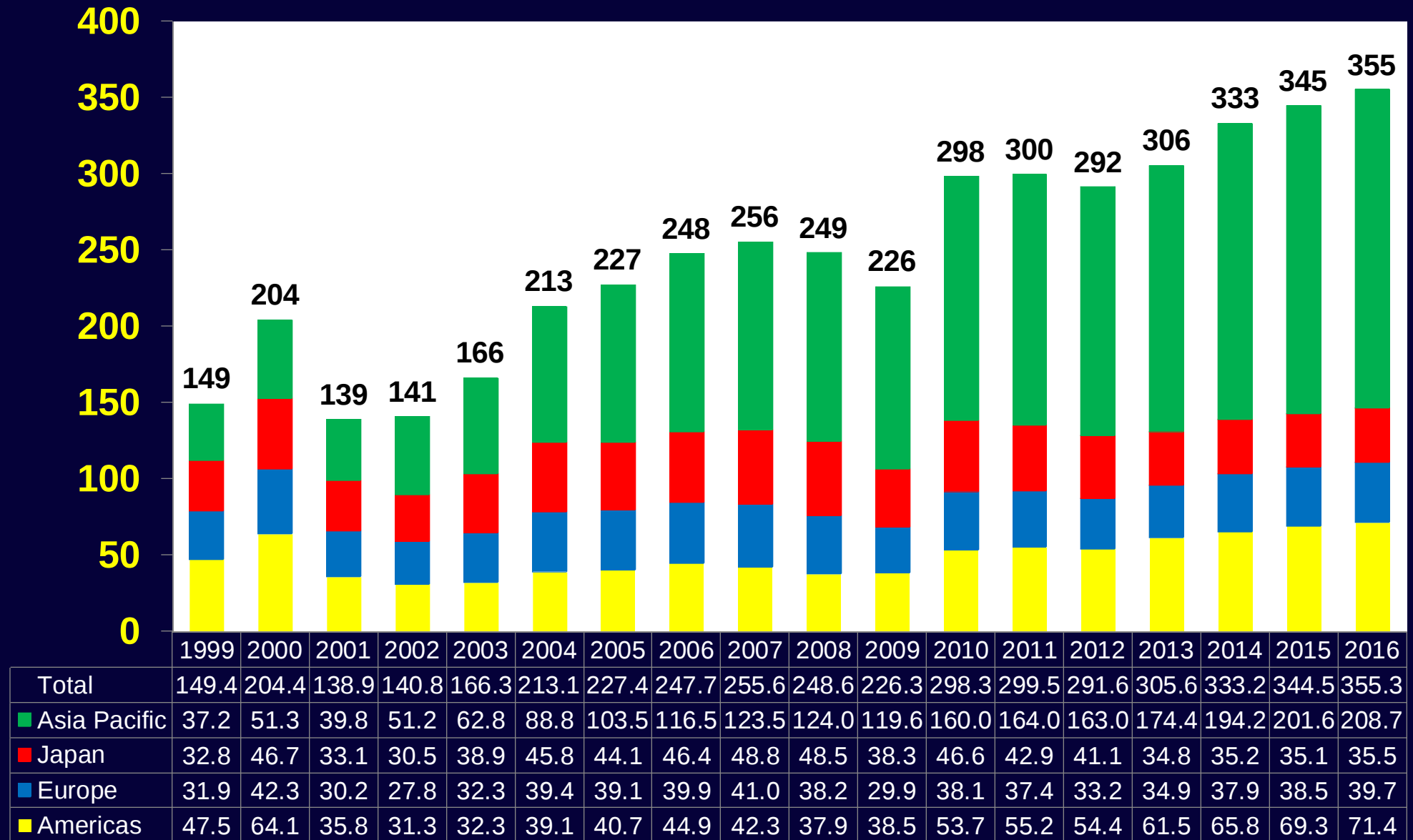


N American Semiconductor Shipments

Monthly & 3-Month Average Shipments

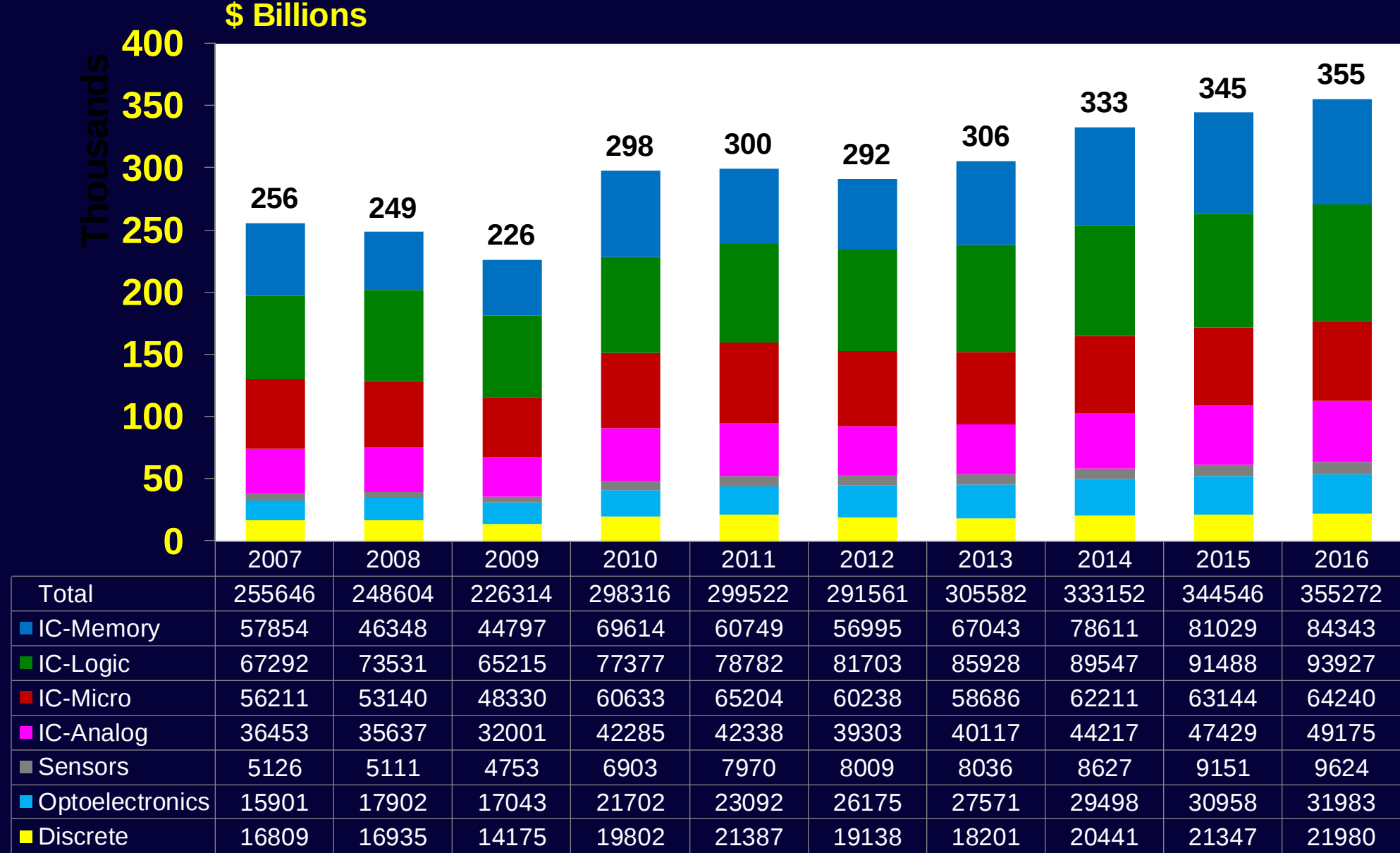


Worldwide Semiconductor Market by Geography WSTS Forecast

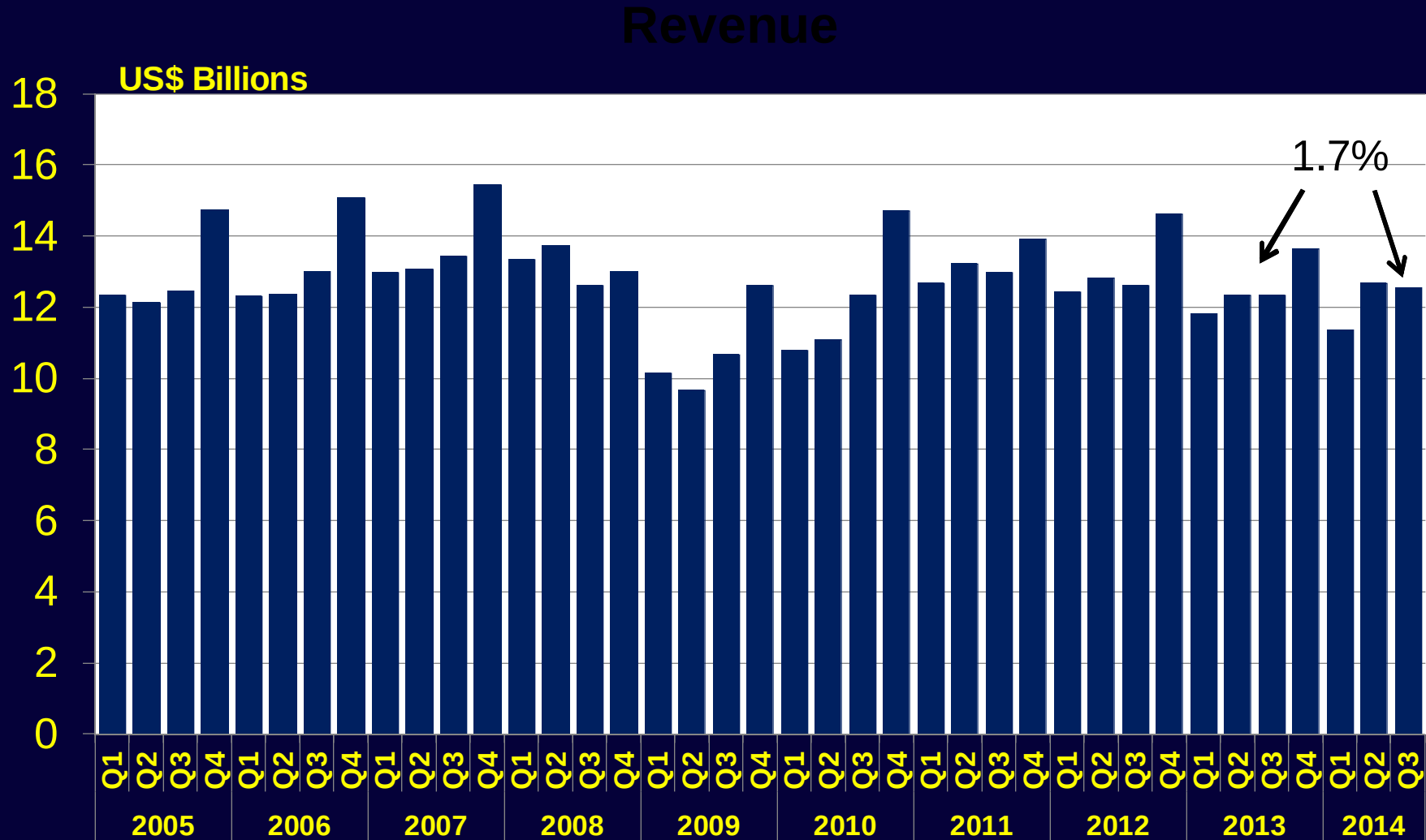


Worldwide Semiconductor Market by Type

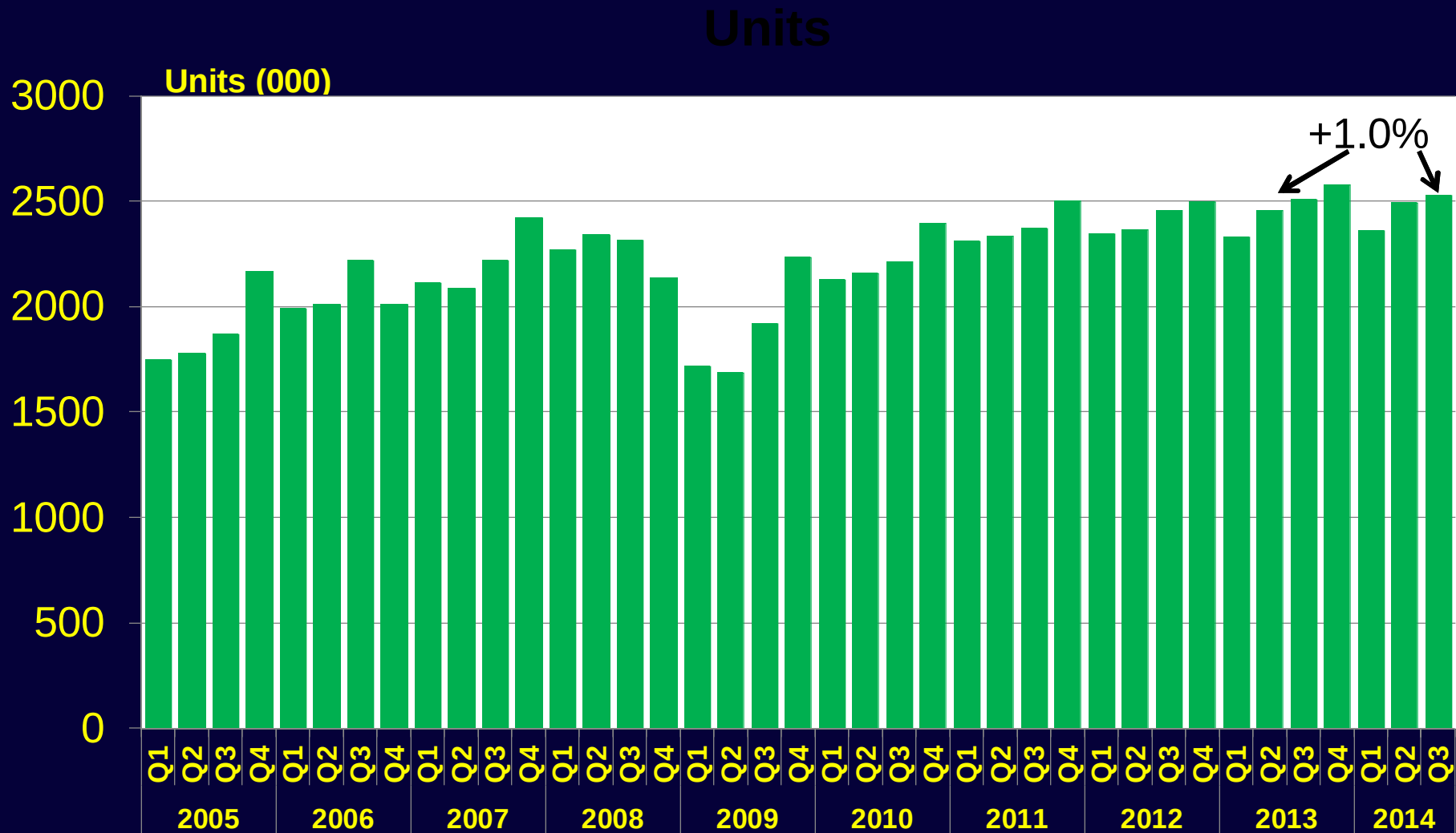
WSTS Forecast



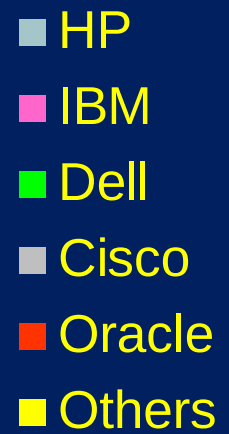
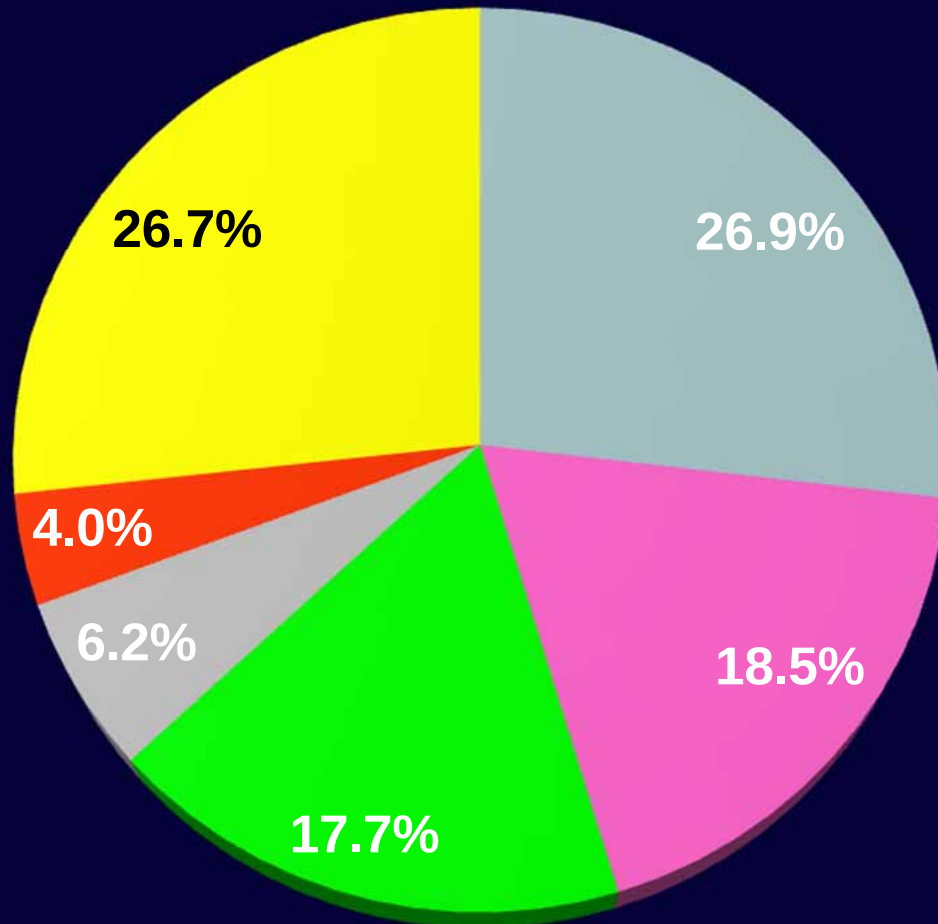
World Server Shipment Revenue



World Server Shipment Units

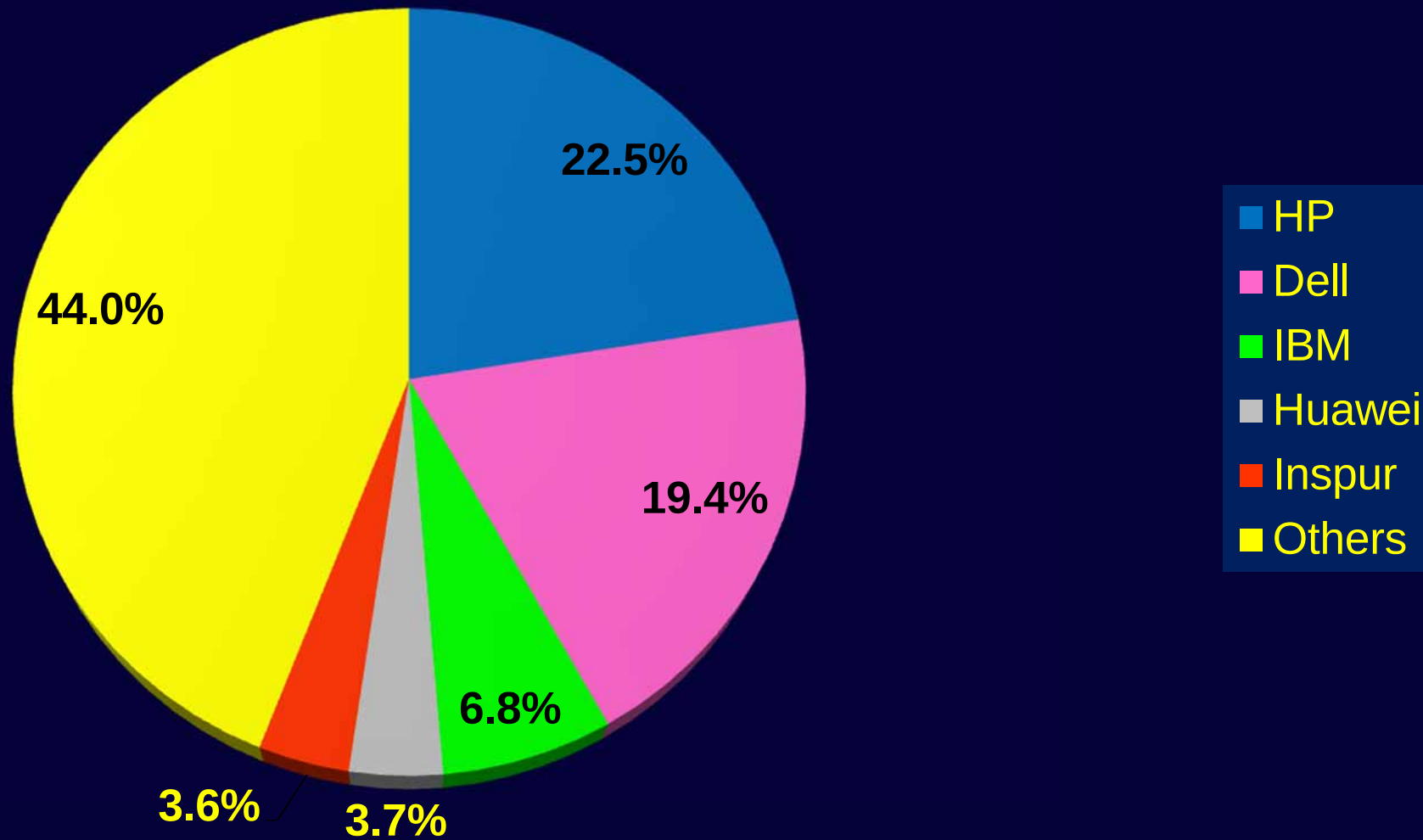


World Server Shipments 3Q'14



TOTAL: \$12.6 Billion

World Server Shipments 3Q'14



TOTAL: 2.53 Million Units