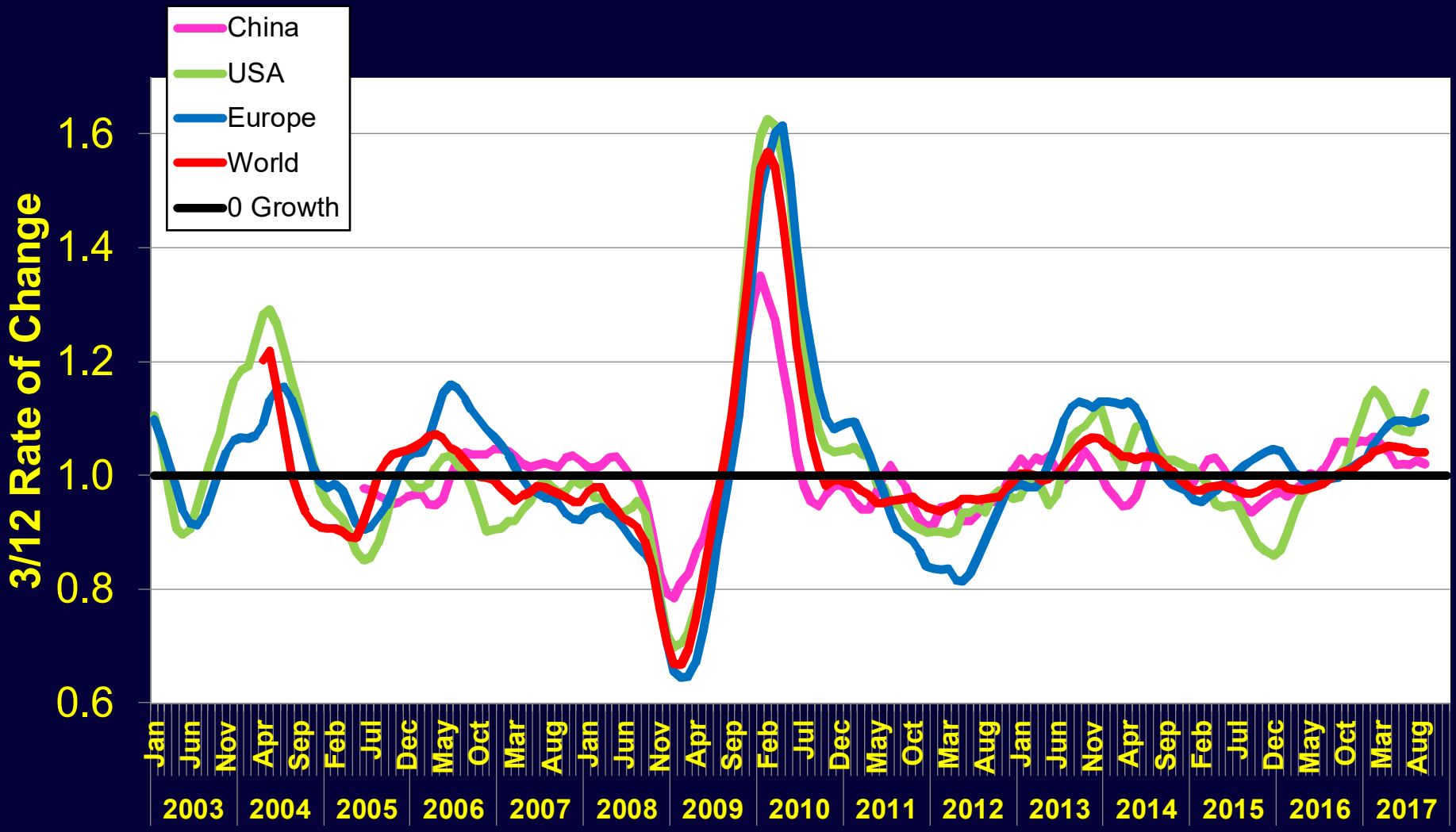
Chart 1

World Purchasing Managers Index

3/12 Rate of Change

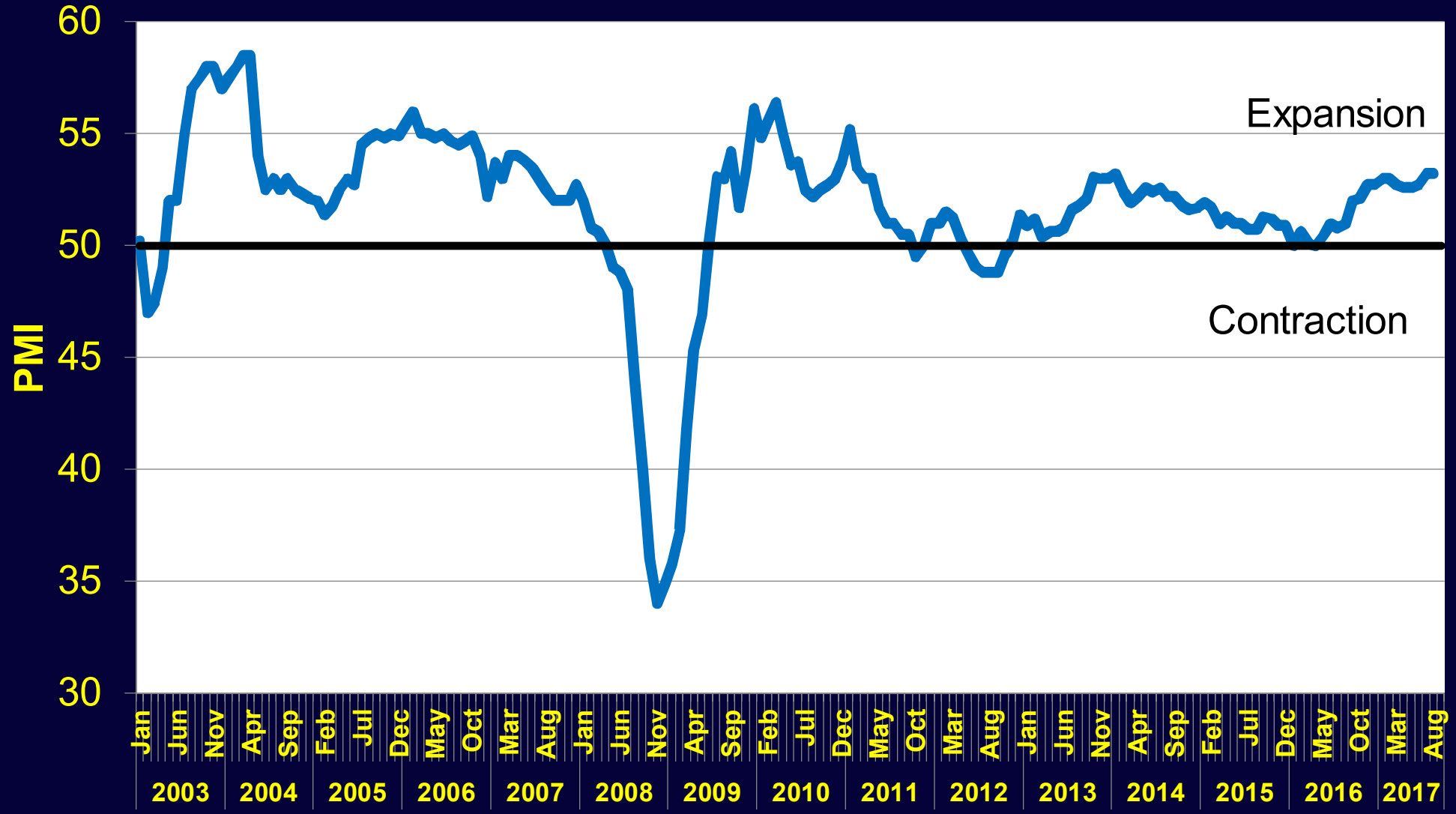


ISM, JPMorgan, Markit Economics

Chart 2

Global "Purchasing Managers" Index

Diffusion Index, >50 = Growth

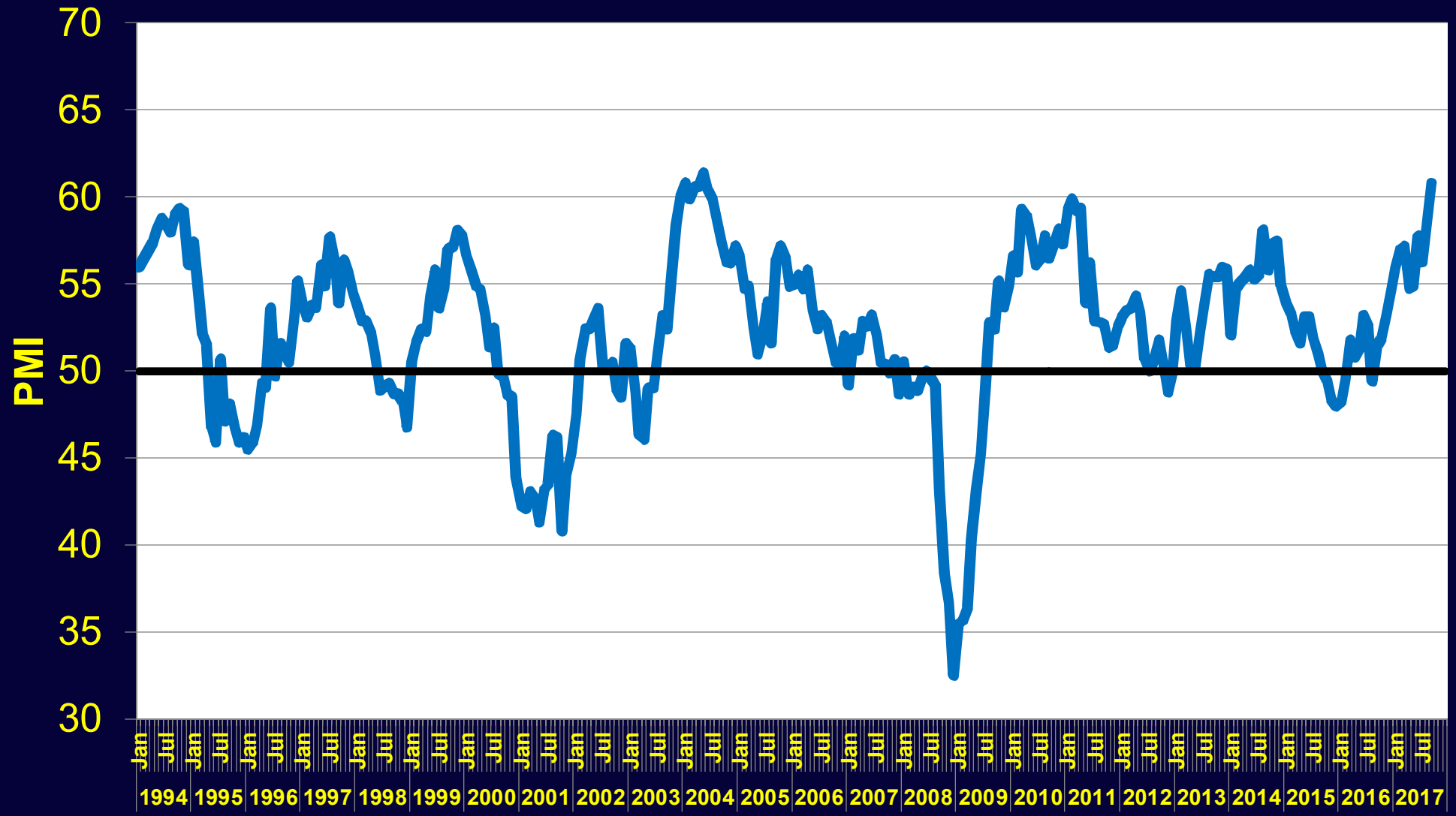


Markit Economics

Chart 3

U.S "Purchasing Managers" Index
ISM

Diffusion Index, >50 = Growth

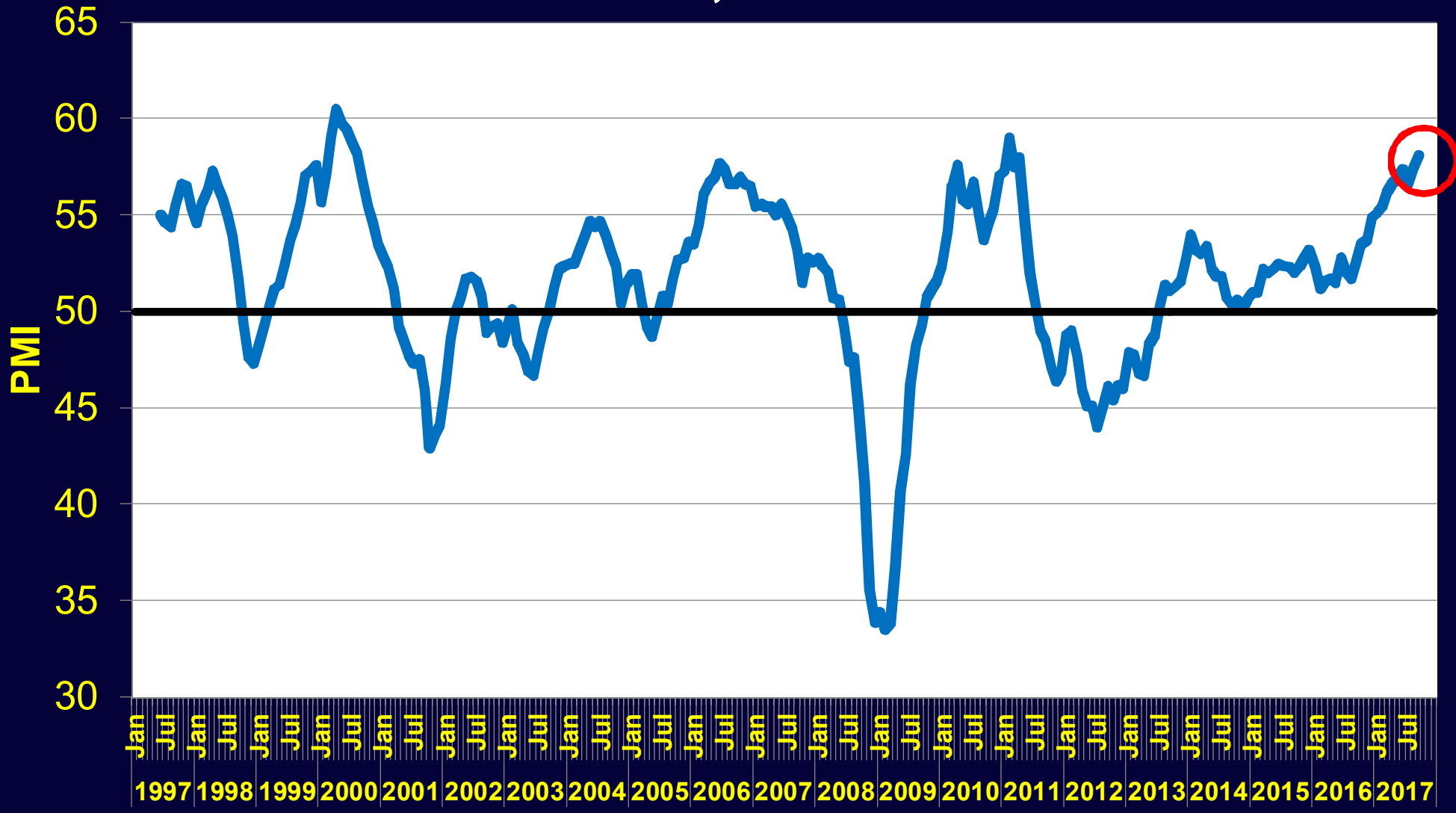


Markit Economics & ISM

Chart 4

Eurozone Manufacturing "Purchasing Managers" Index

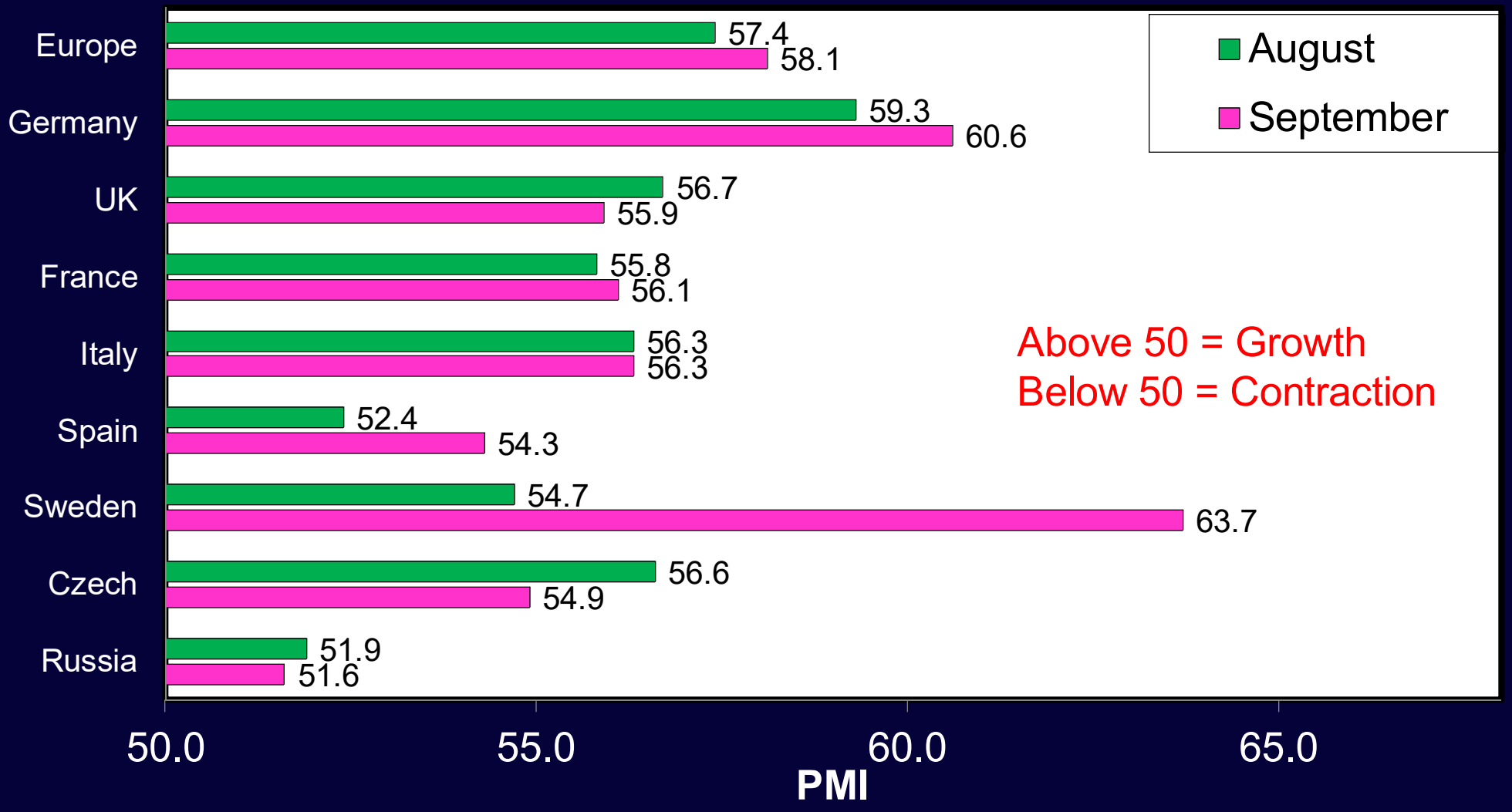
Diffusion Index, >50 = Growth



Markit Economics

Chart 5

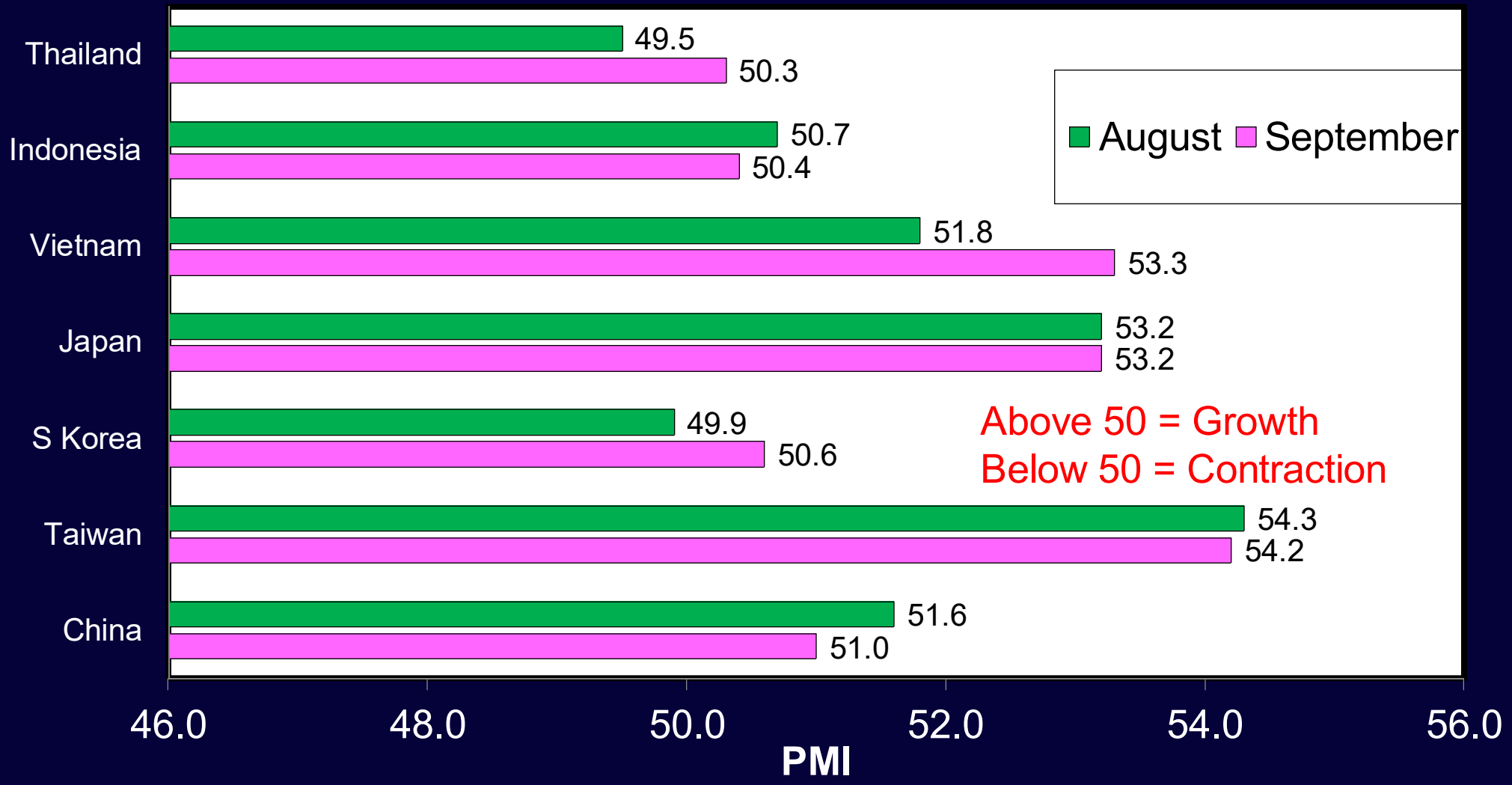
European Purchasing Managers' Indices
September vs August 2017



Markit Economics

Chart 6

Asian Purchasing Managers Indices
September vs. August 2017

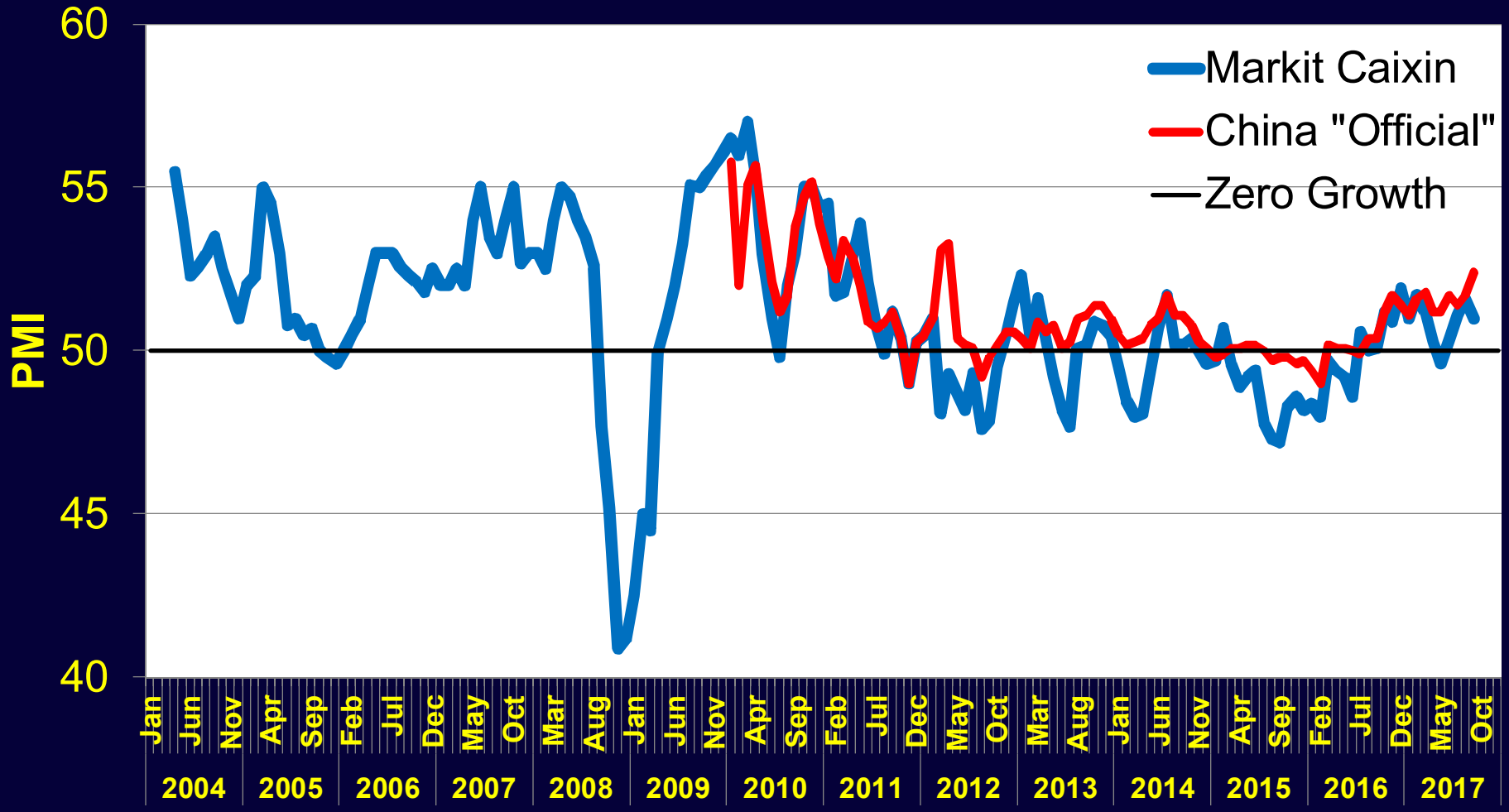


Markit Economics

Chart 7

China "Purchasing Managers" Indices

>50 = Growth

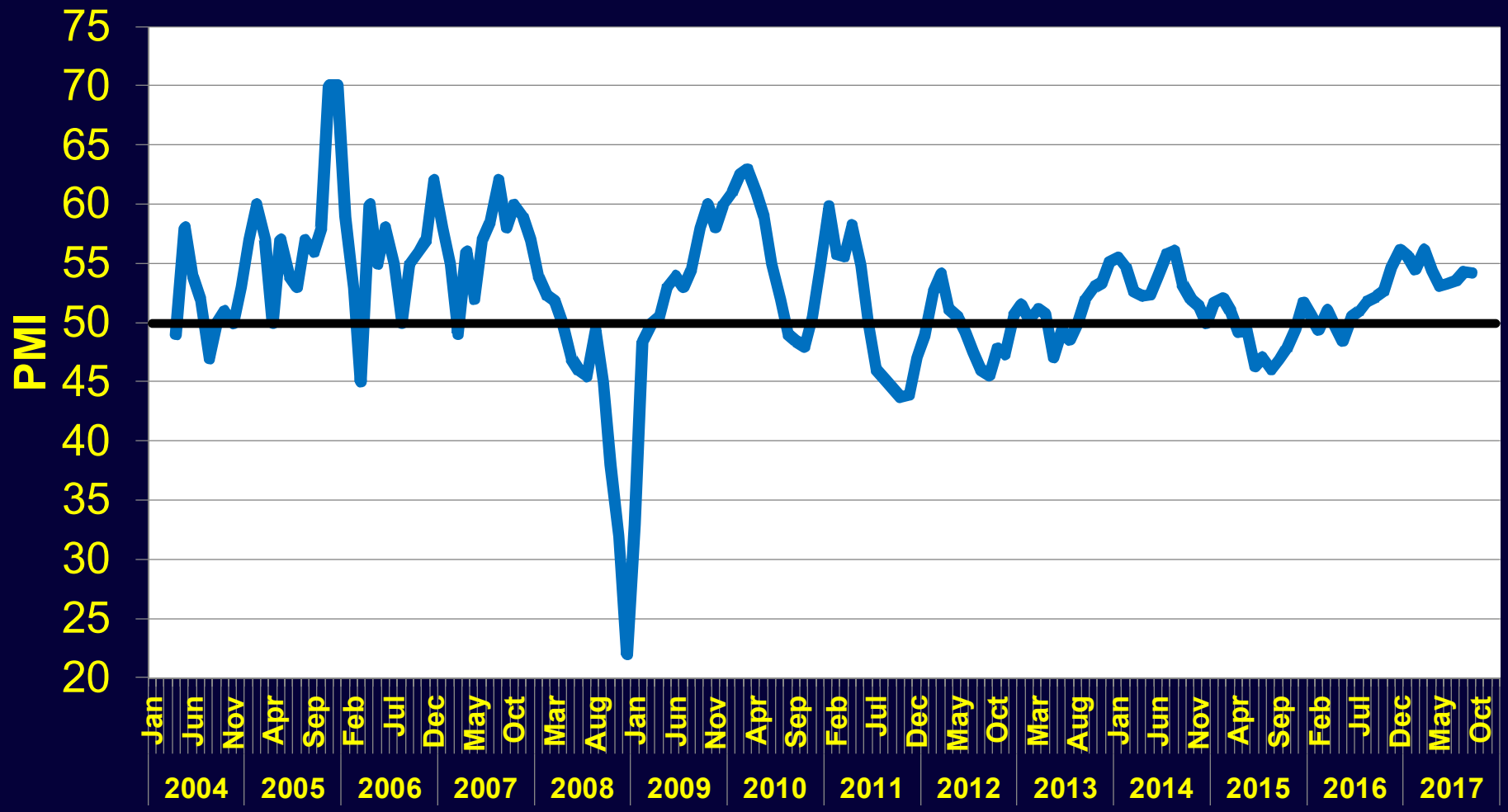


Markit Economics
China National Bureau of Statistics

Chart 8

Taiwan "Purchasing Managers" Index

>50 = Growth

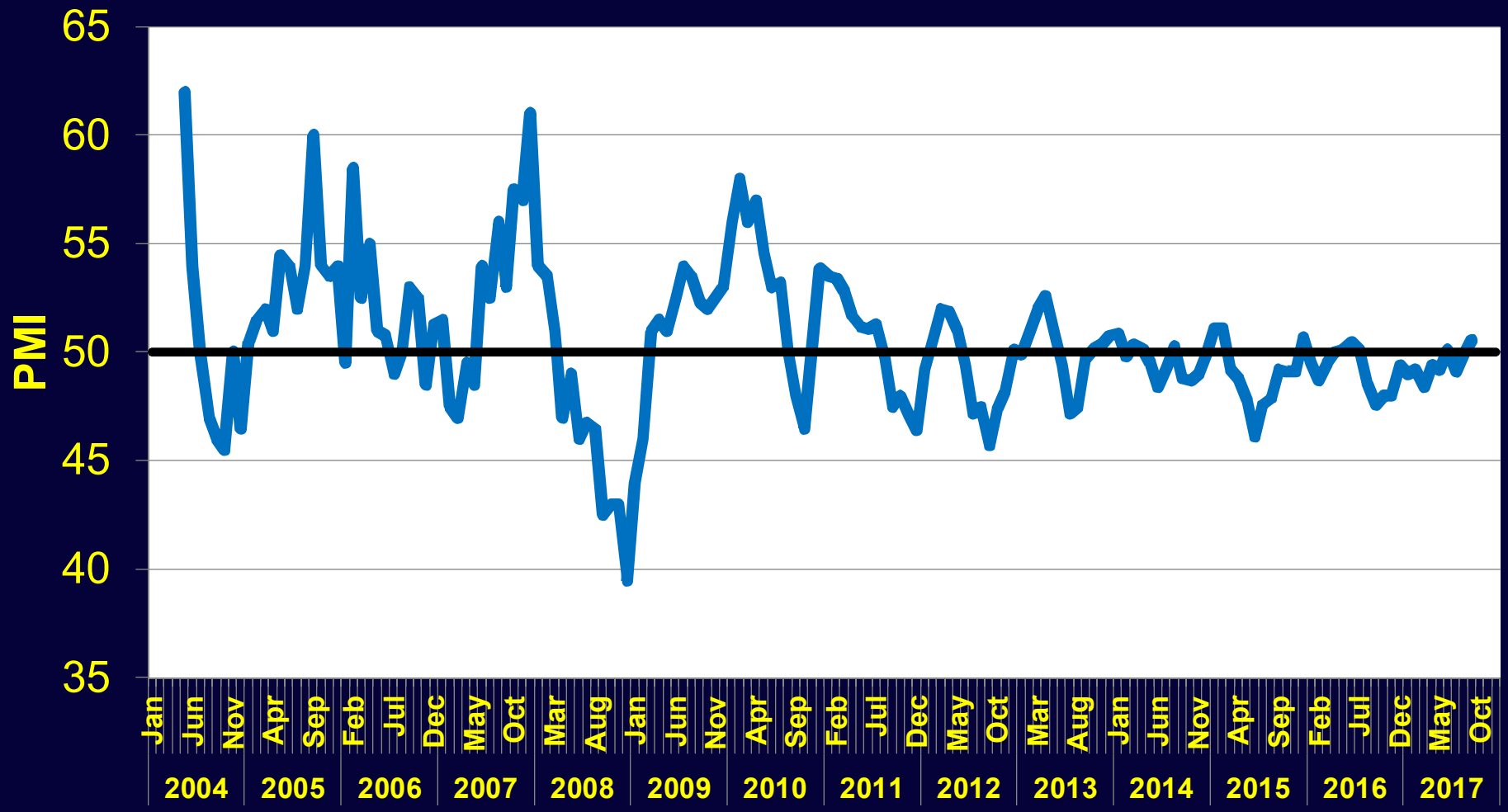


Markit Economics

Chart 9

S Korea "Purchasing Managers" Index

>50 = Growth

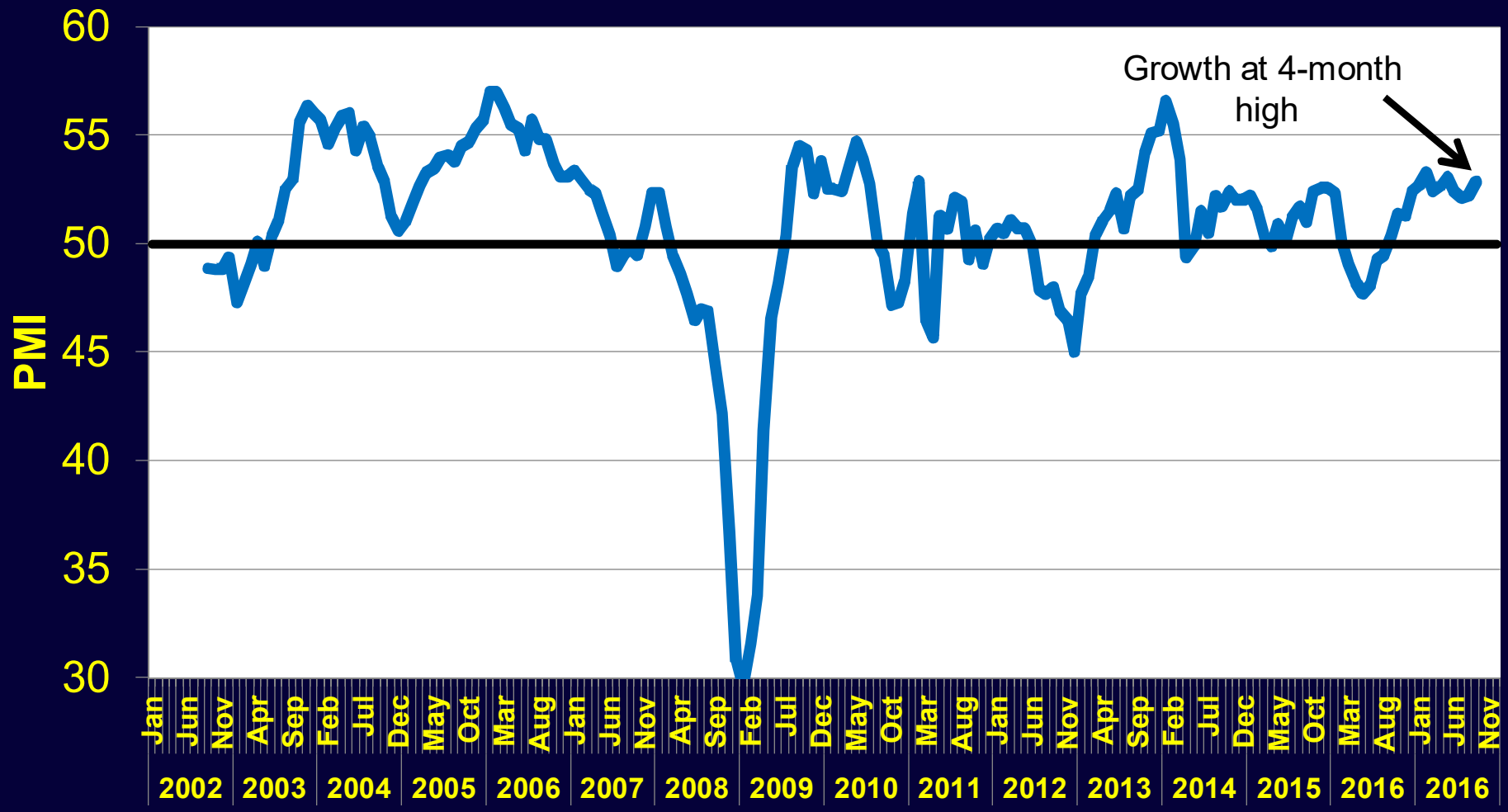


Markit Economics

Chart 10

Japan "Purchasing Managers" Index

>50 = Growth



Nomura/JMMA

Chart 11

Monthly Semiconductor Shipments
$ Billions (3-month avg in US$)

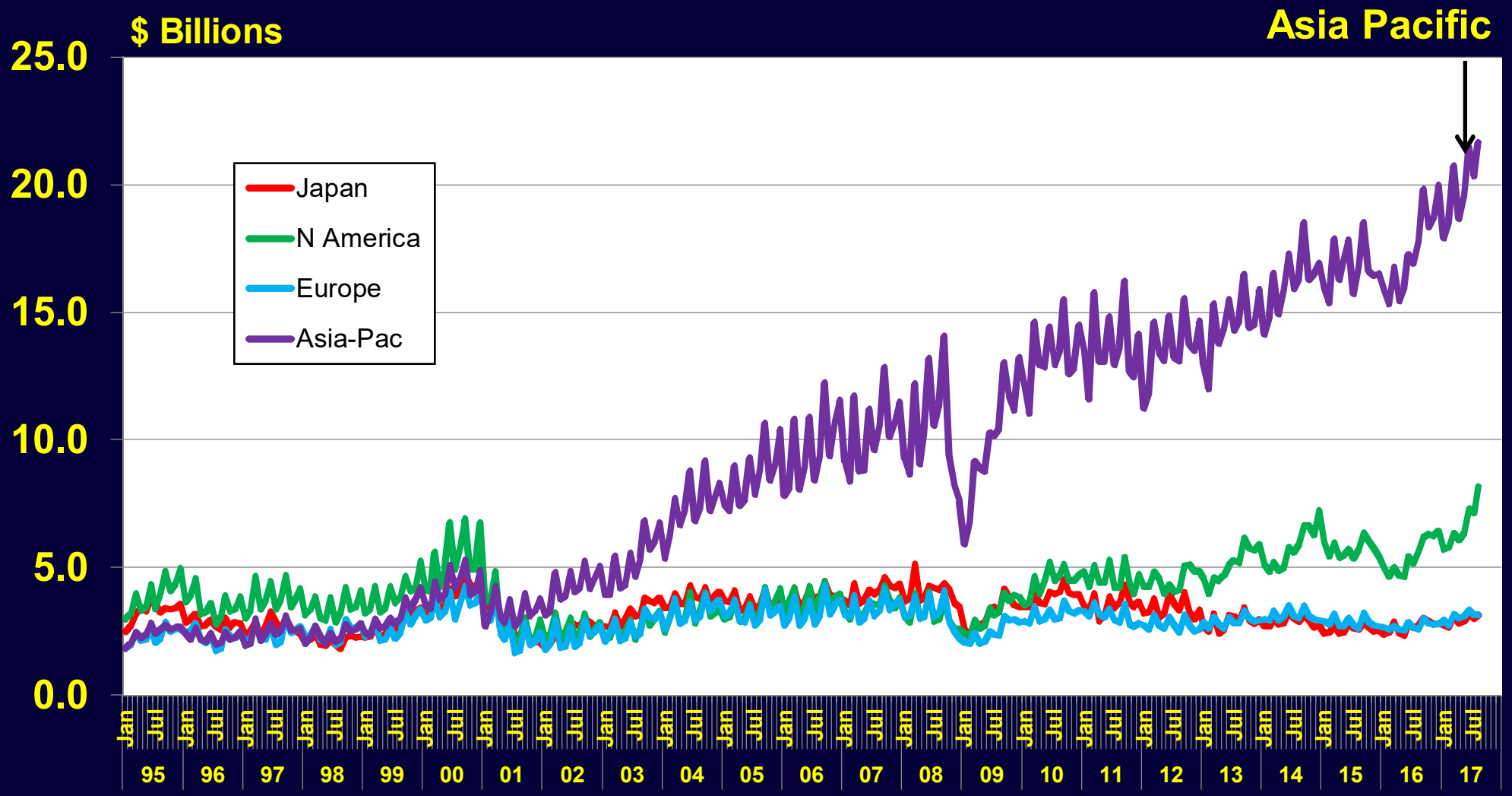
	8/16	8/17	% CH
Americas	5.43	7.55	+ 39.0%
Europe	2.71	3.22	+ 18.8%
Japan	2.73	3.13	+ 14.3%
China	8.99	11.08	+ 23.3%
Asia Pacific / All Other	8.35	9.98	+19.5%
Total	28.22	34.96	+ 23.9%

SIA www.semiconductors.org/

Chart 12

Total Semiconductor Shipments to an Area

Monthly Shipments - Reporting Firms

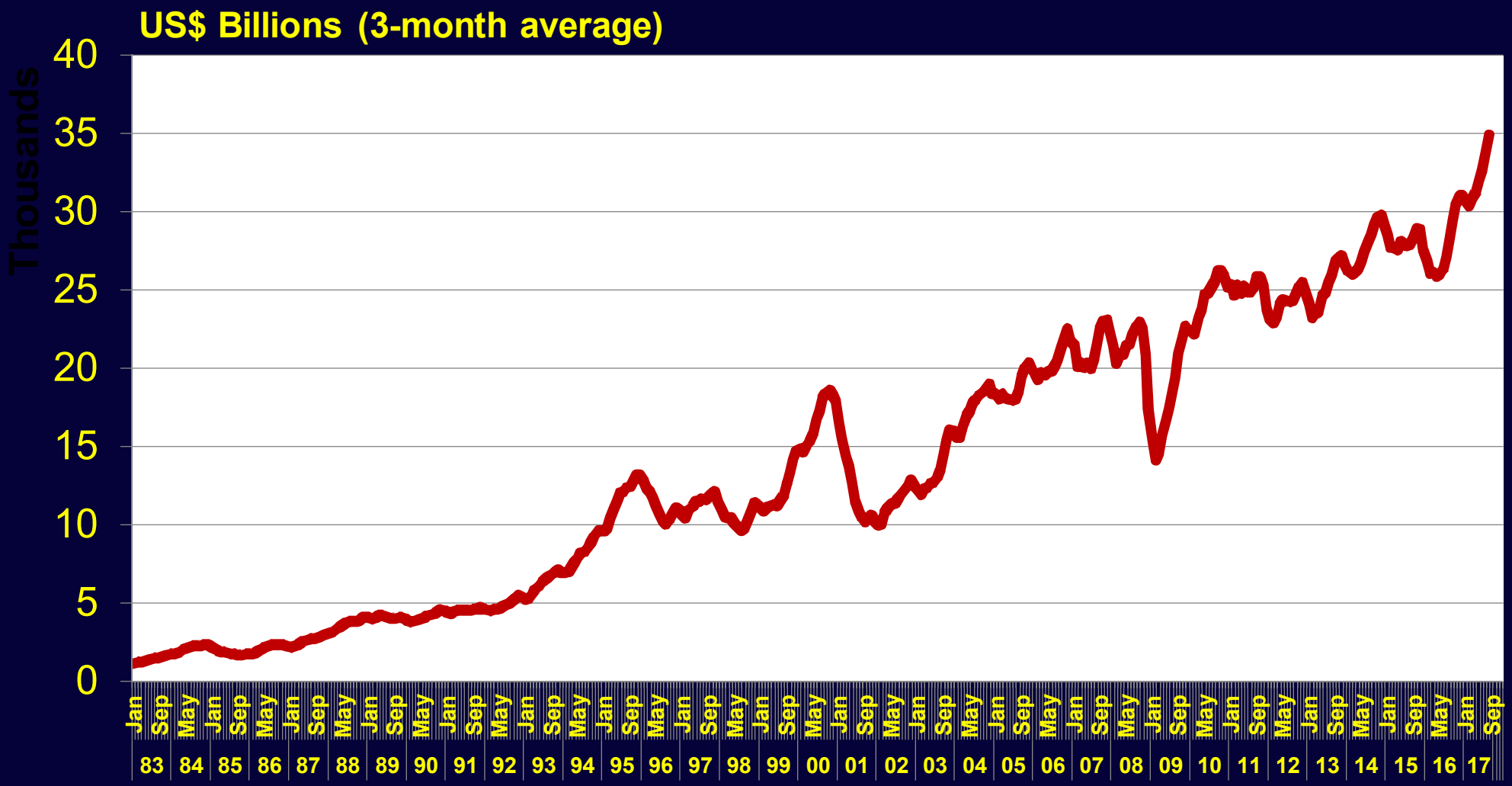


www.wsts.org,
www.sia-online.org/

Chart 13

World Semiconductor Shipments

Monthly US$

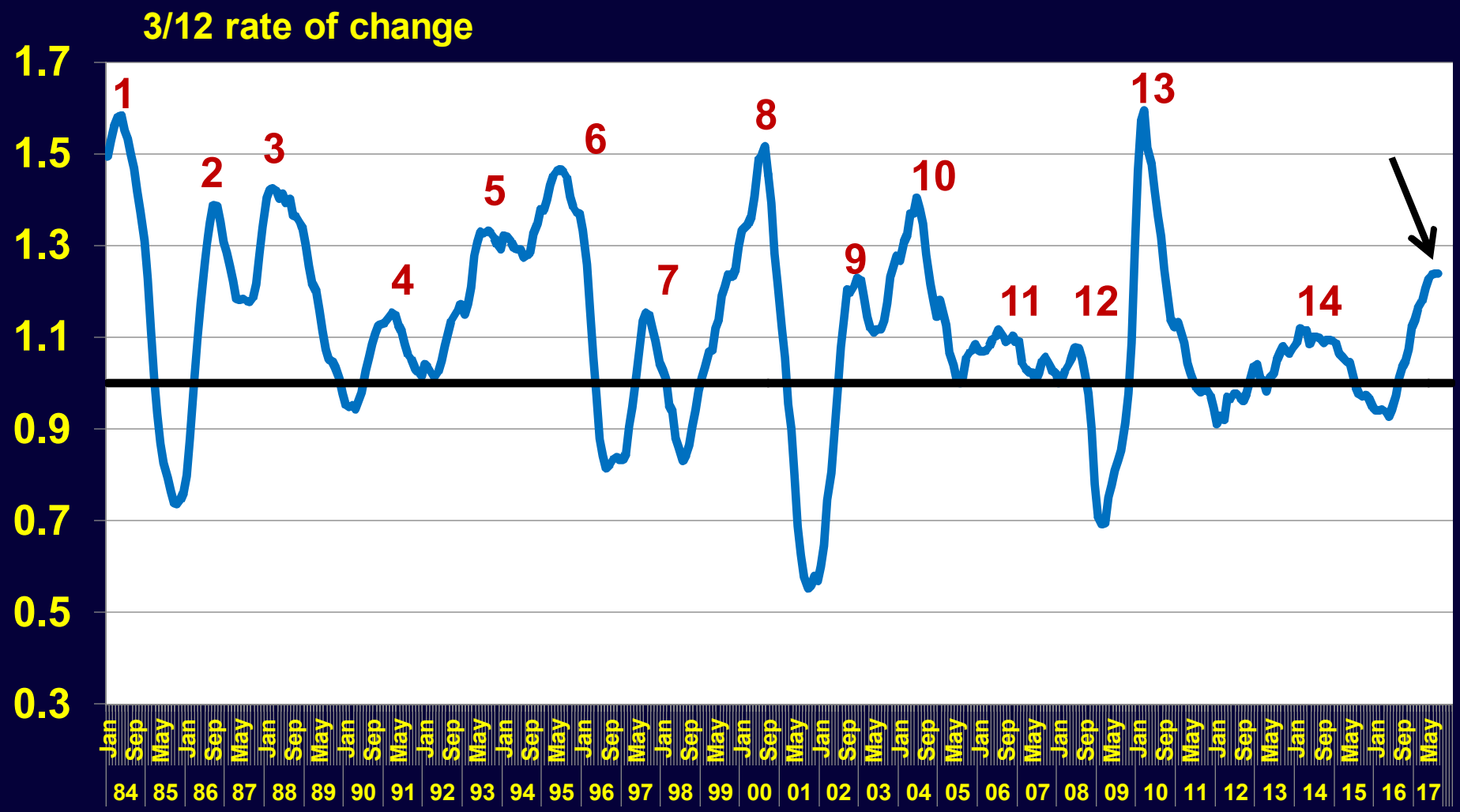


SIA

Chart 14

Global Semiconductor Shipments

3-Month Growth Rates on $ Basis

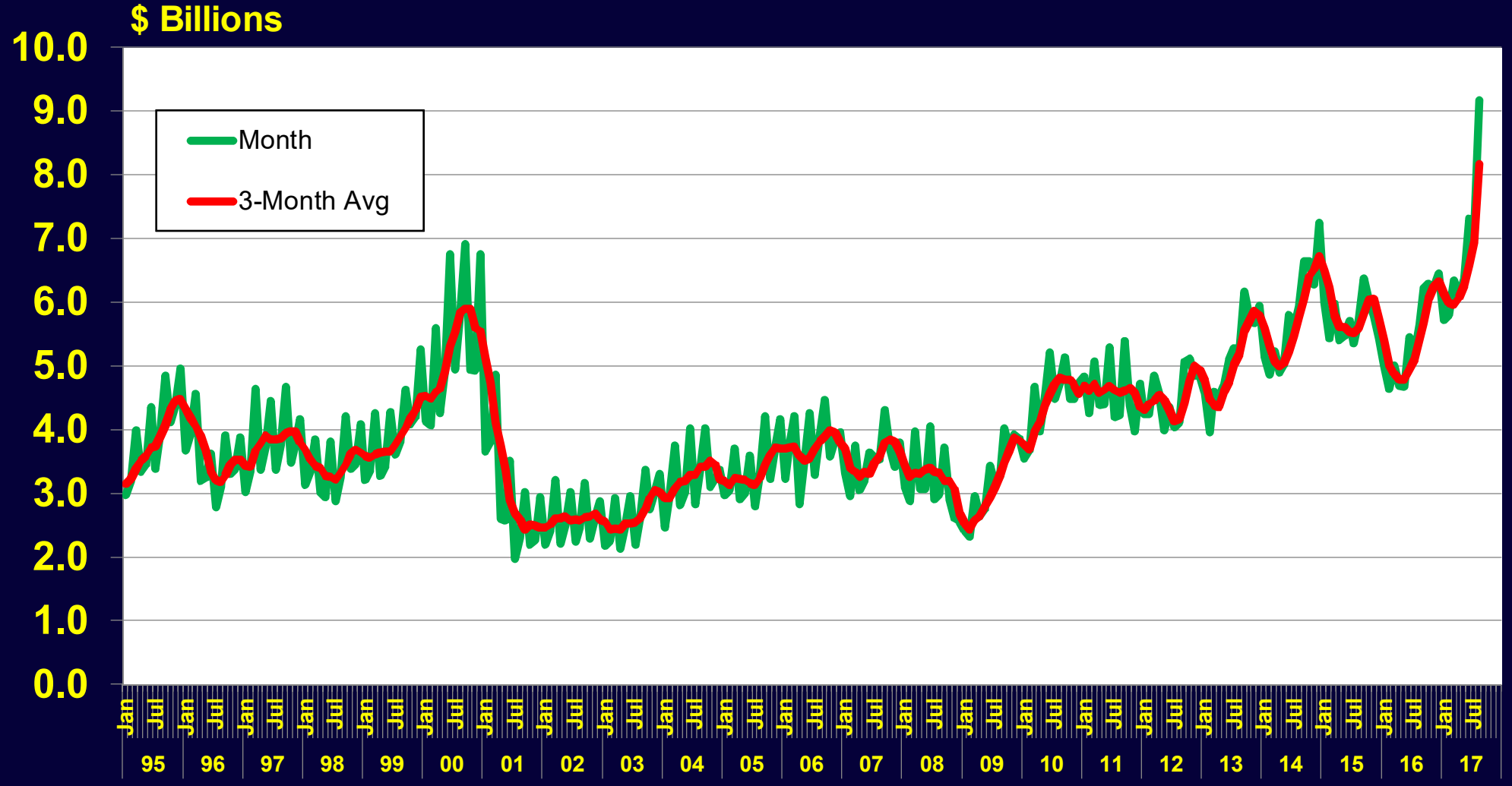


Total $ Shipments from All Countries to an Area
SIA website: www.sia-online.org/

Chart 15

N American Semiconductor Shipments

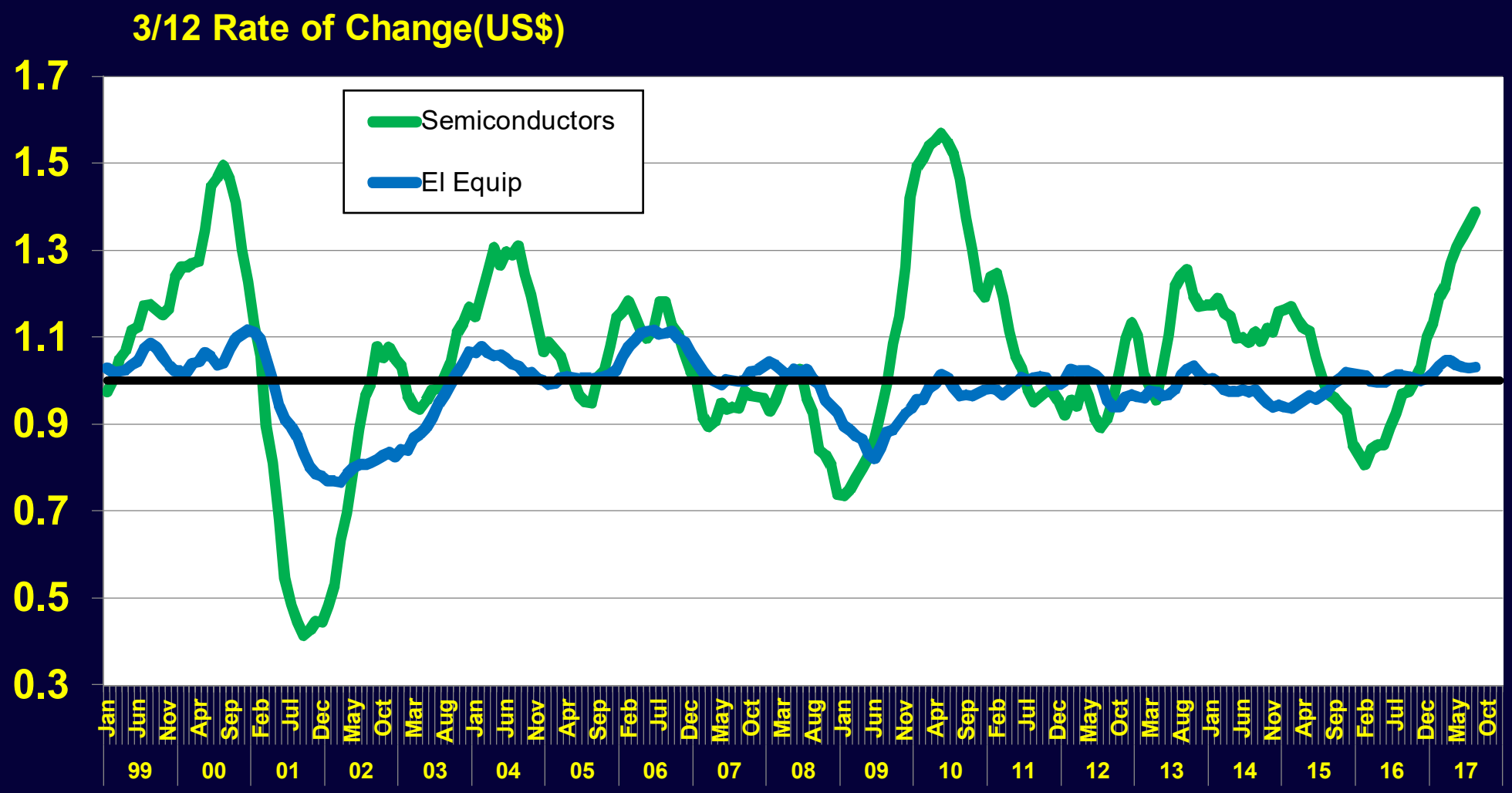
Monthly & 3-Month Average Shipments



SIA website: www.sia-online.org/

Chart 16

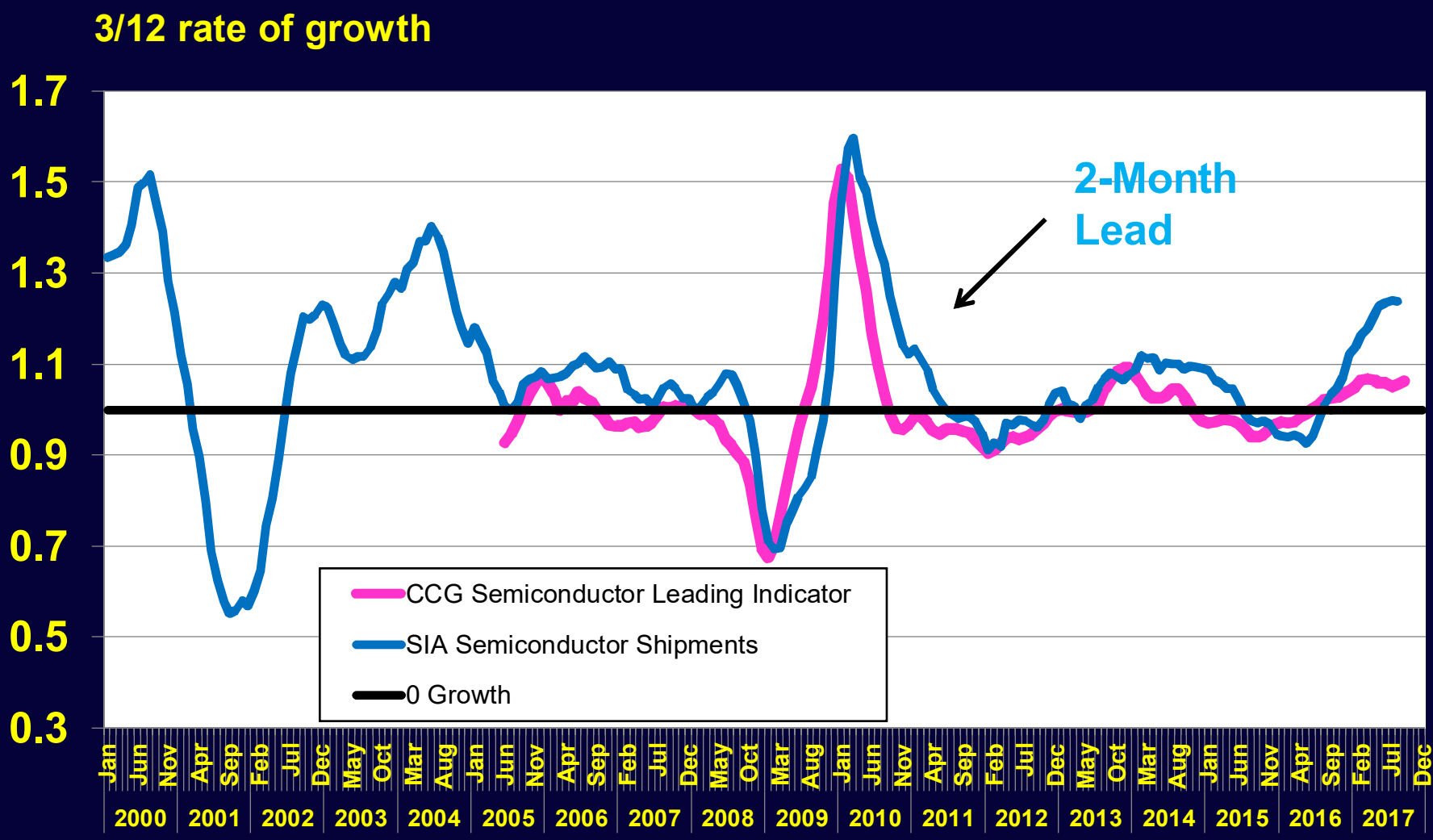
Semiconductor Shipments to N. America vs. U.S Electronic Equipment Production



Total $ Semiconductor Shipments from All Countries to N. America www.sia-online.org/
U.S. Electronic Equipment Shipments www.census.gov/indicator/www/m3/

Chart 17

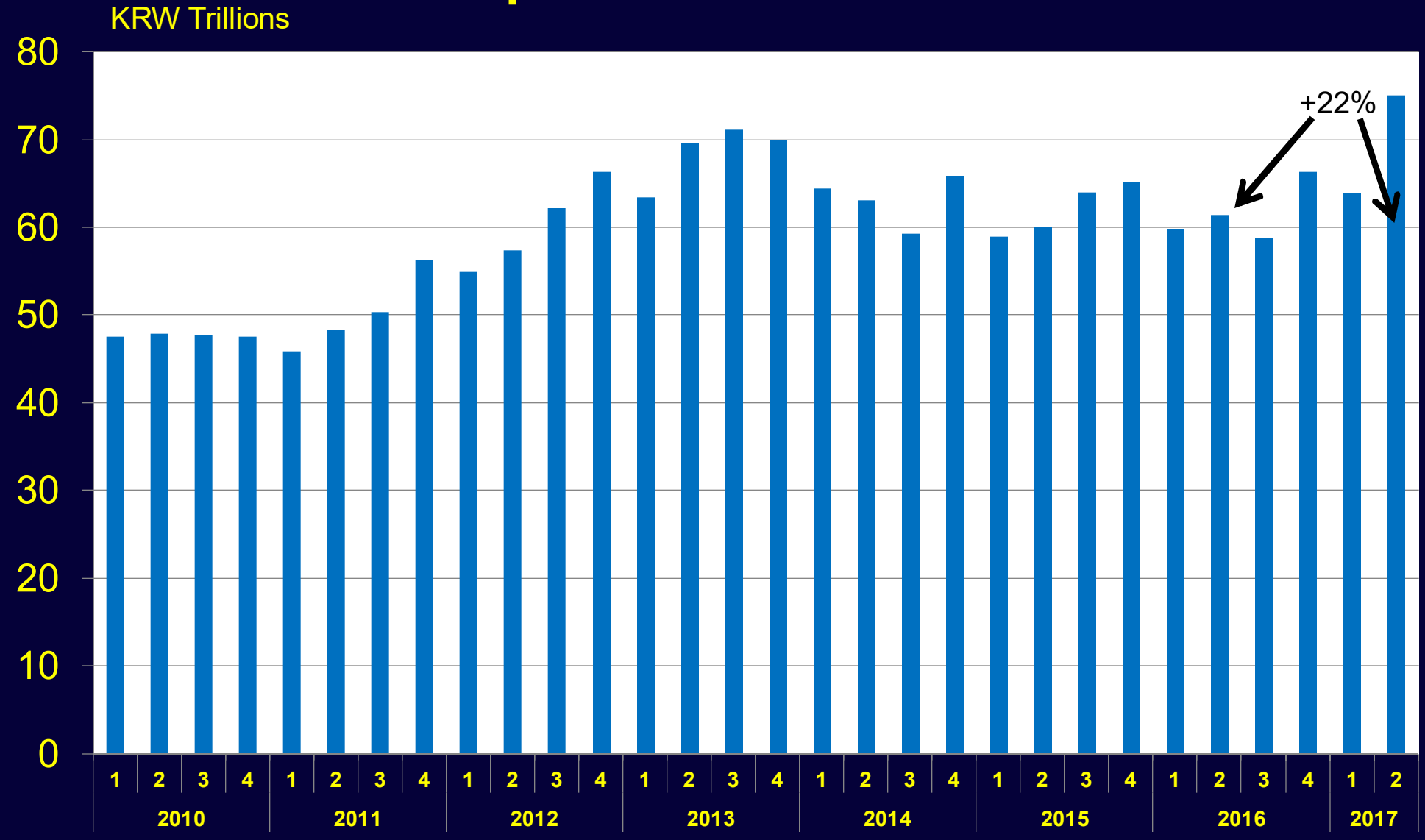
CCG Semiconductor Leading Indicator vs. Global Semiconductor Shipments



http://www.census.gov/indicator/www/m3/

Chart 18

S Korea Electronics Producers
Composite of 24 Manufacturers

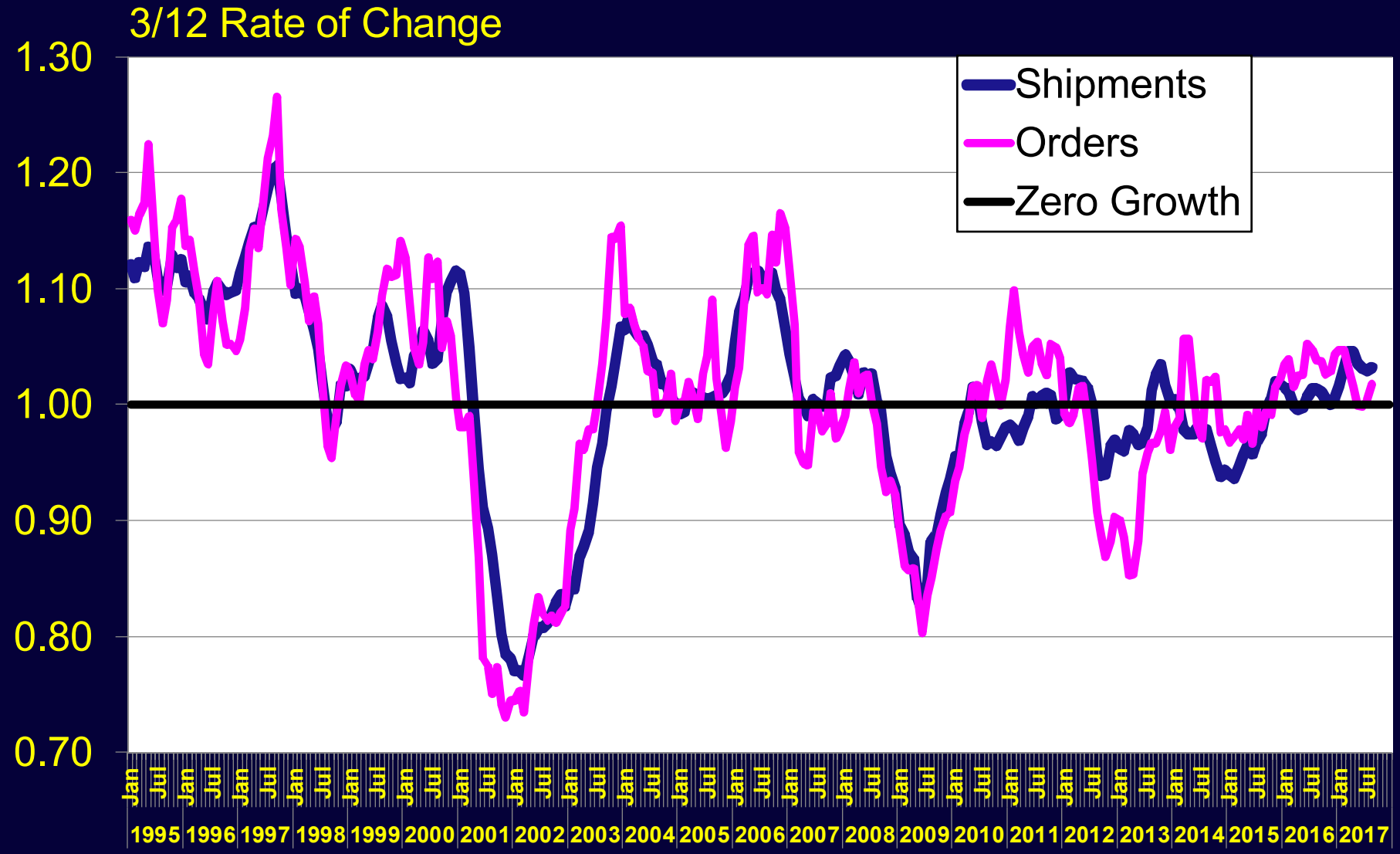


Samsung EM, Samsung Electronics, Young Poong, Daeduck Goods, LG Innotek, Daewoo Electronic Components, Samsung SDI, Dongbu Hitek, SK Hynix, KEC Corp, Simm Tech, Isu-Petasys, DAP, BH Flex, Hanwha, Korea Circuit, LG Display, Doosan, Seronics, SFA Semicon, Seoul Semicon, Samsung SDI, Dongbu HiTek, KEC

Chart 19

U.S. Electronic Equipment Order & Shipment Growth

Computer, Communications, Measurement & Control and Military

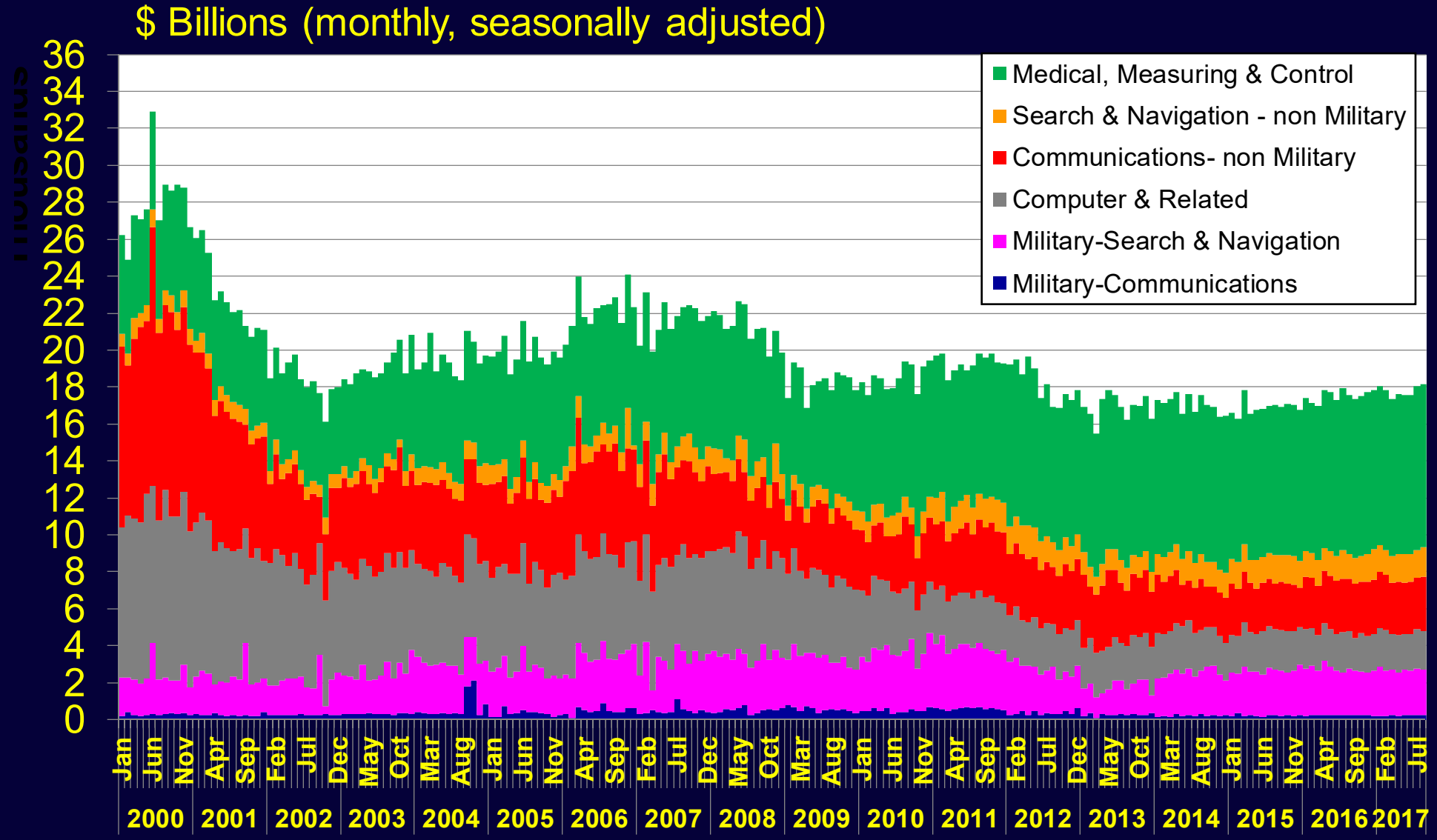


www.census.gov/indicator/www/m3/

20171005
Chart 20

U.S. Electronic Equipment Orders

Monthly Data



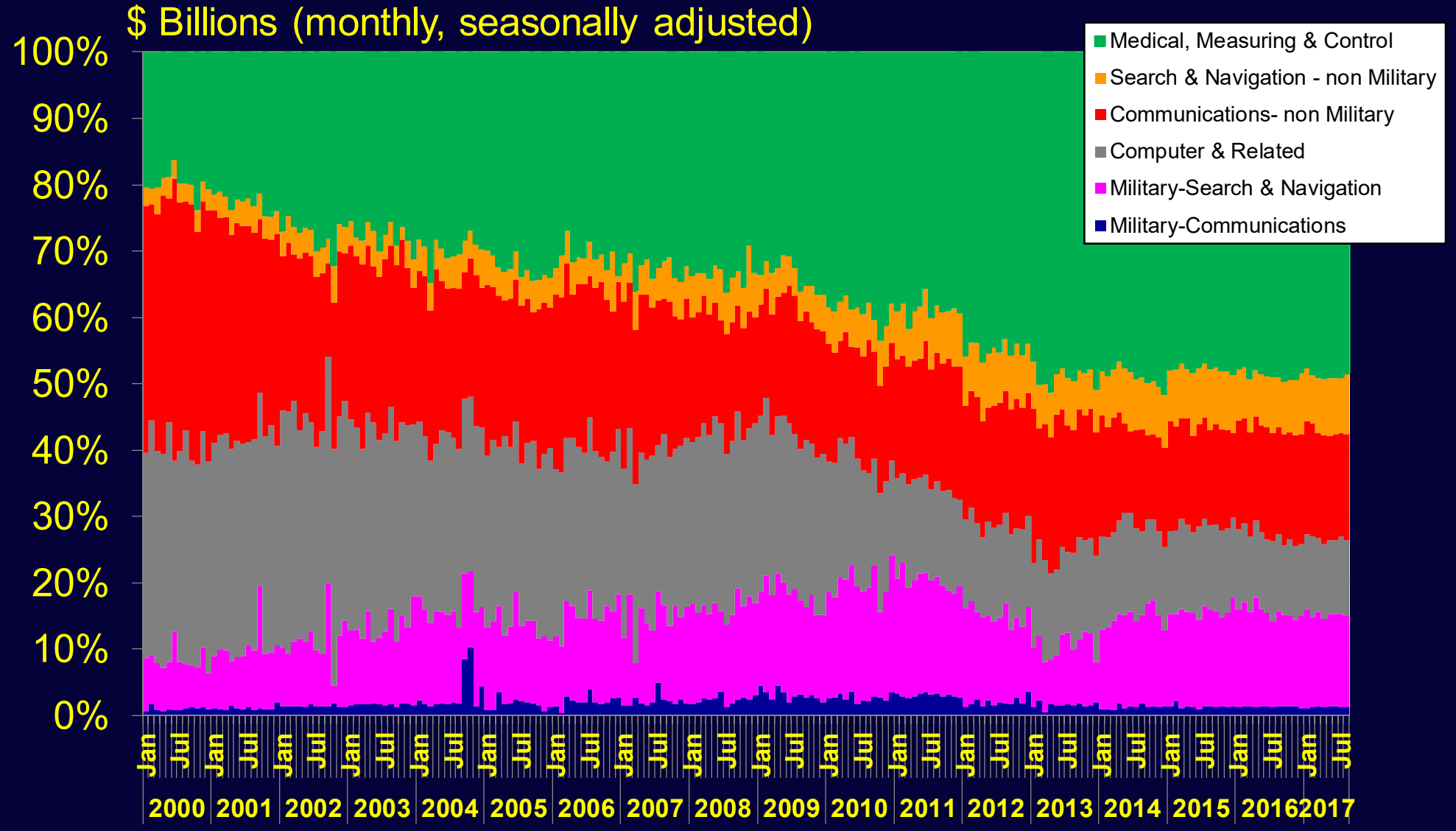
www.census.gov/indicator/www/m3/

20171005

Chart 21

U.S. Electronic Equipment Orders

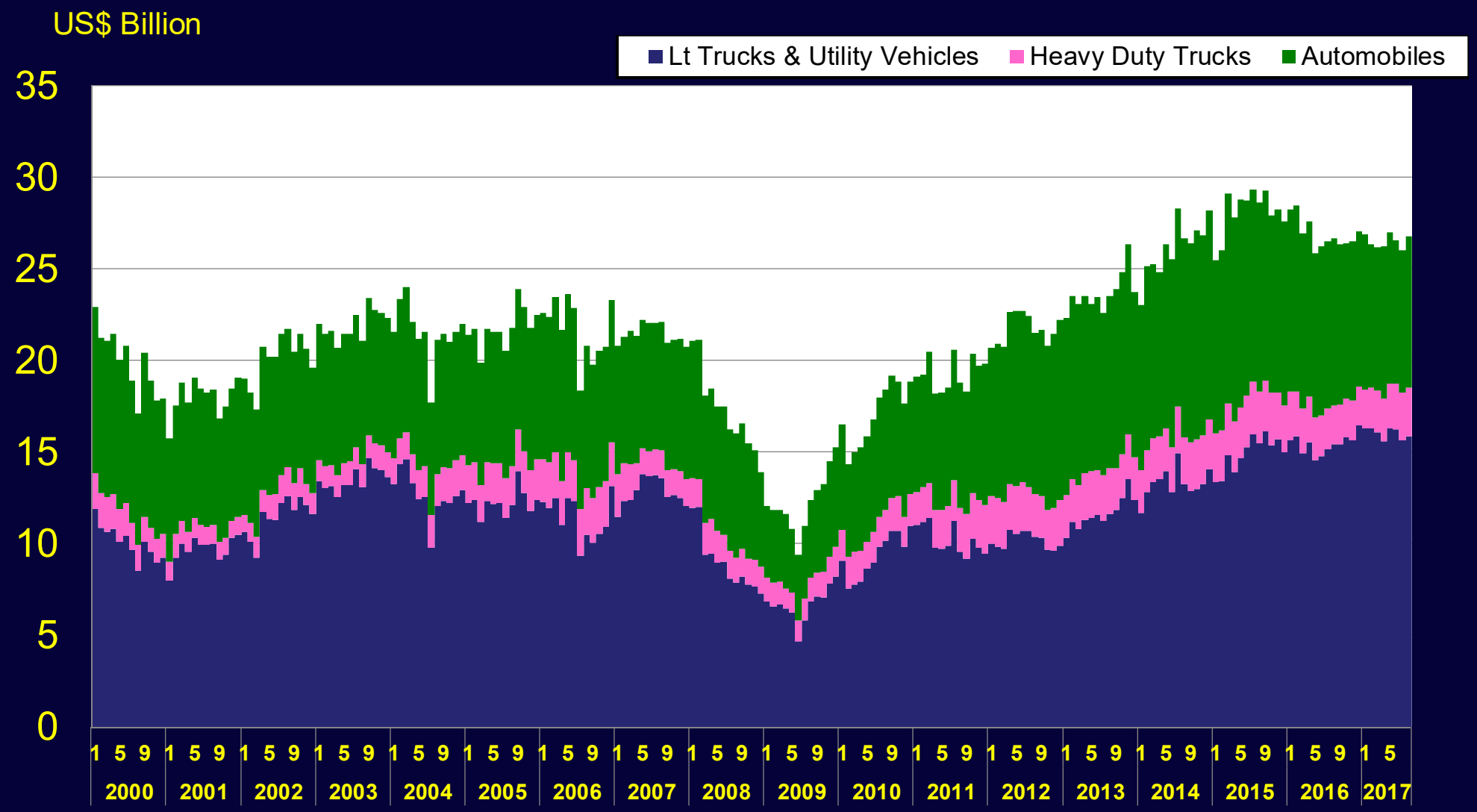
Monthly Data



www.census.gov/indicator/www/m3/

Chart 22

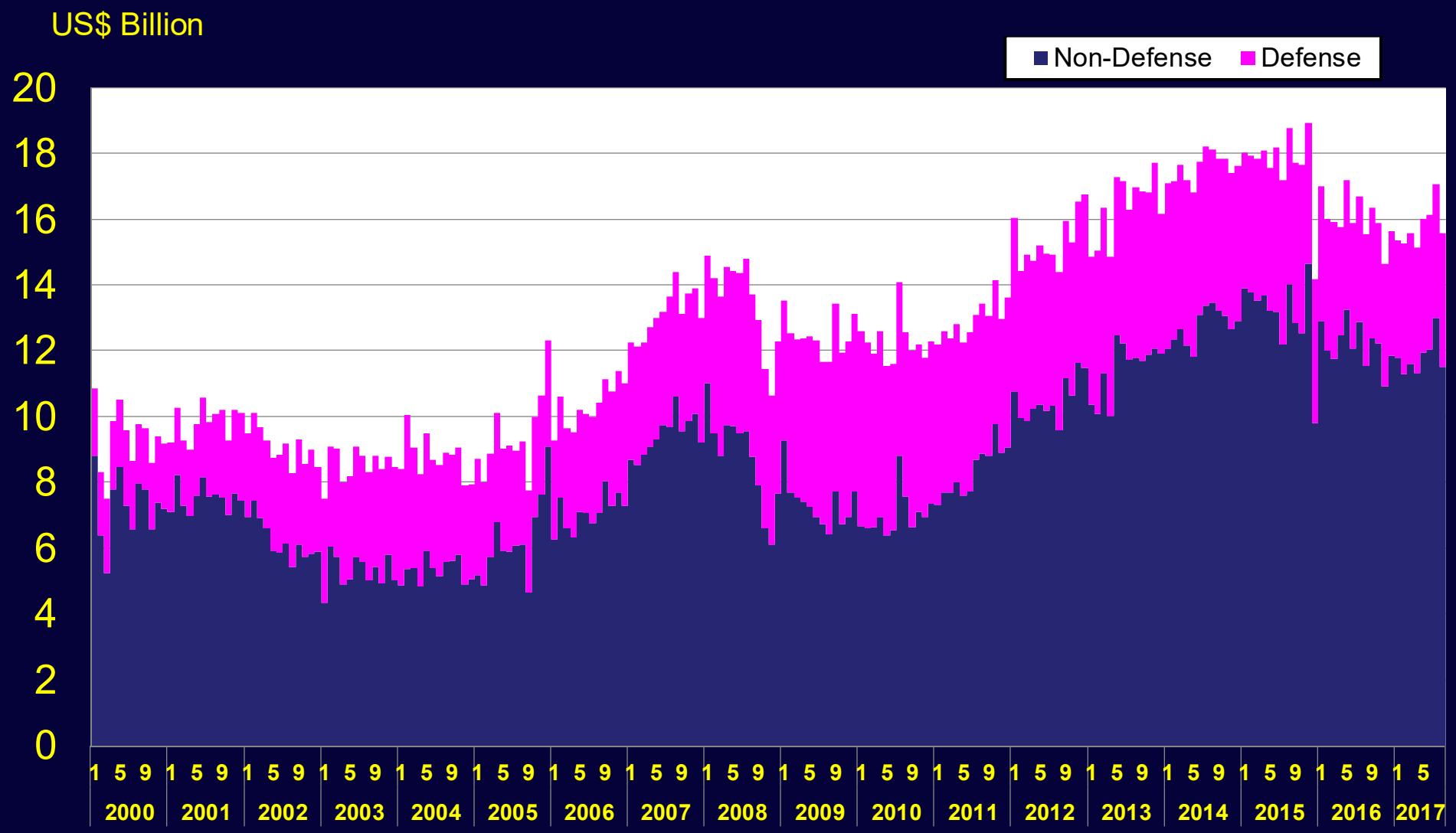
U.S. Vehicle Shipments



www.census.gov/indicator/www/m3b

Chart 23

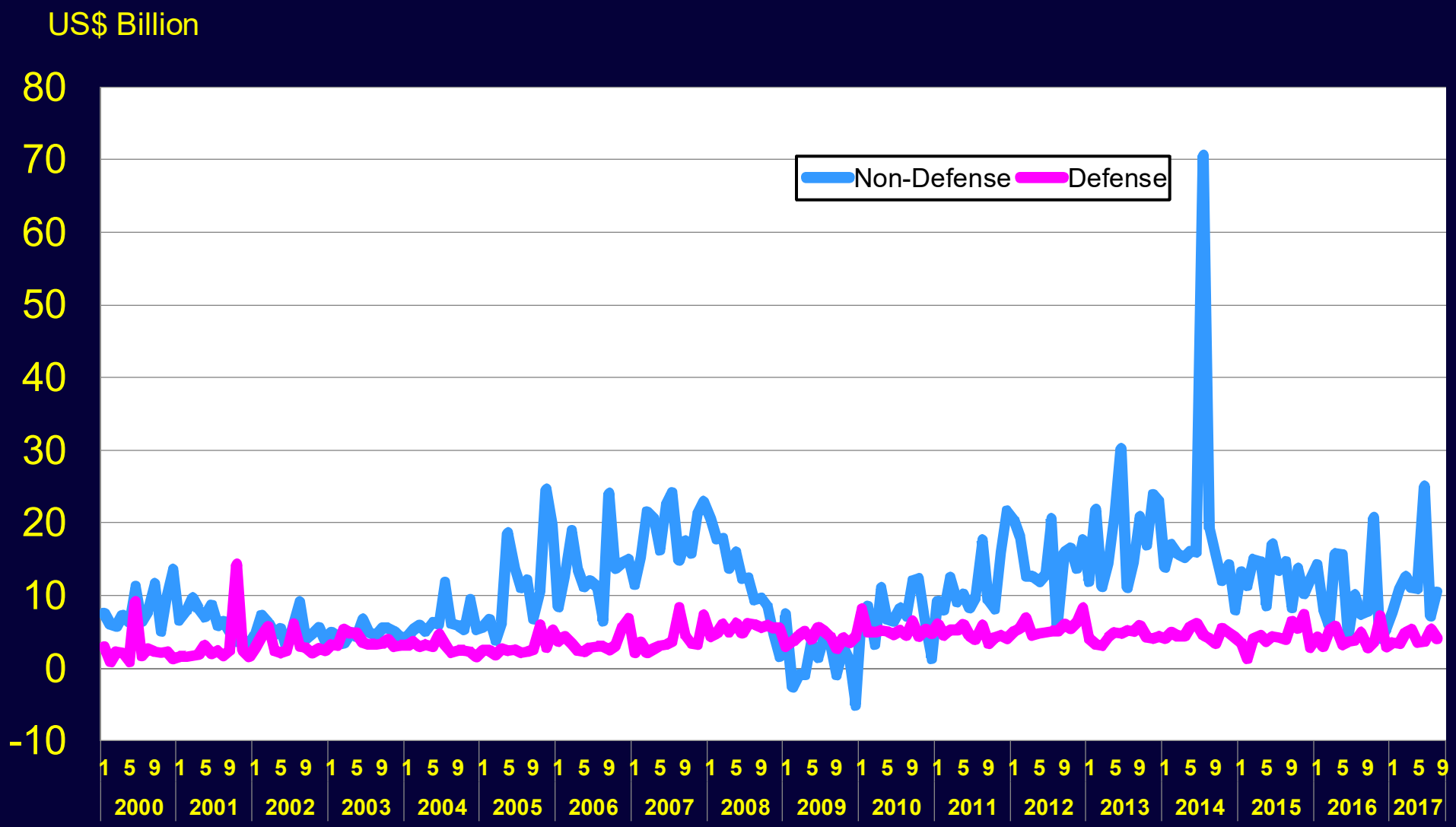
U.S. Aircraft & Parts Shipments



www.census.gov/indicator/www/m3

Chart 24

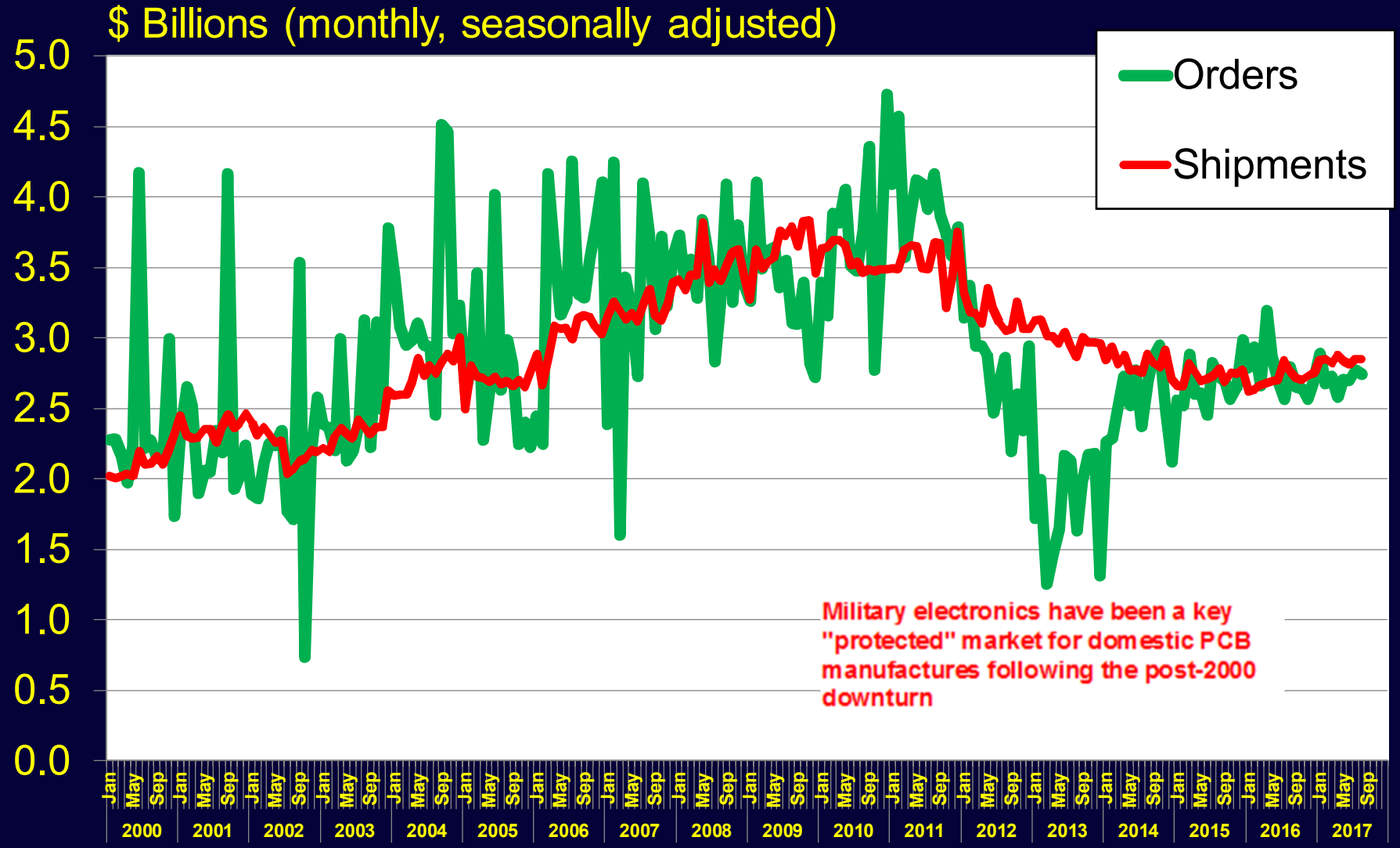
U.S. Aircraft & Parts Orders



www.census.gov/indicator/www/m3

Chart 25

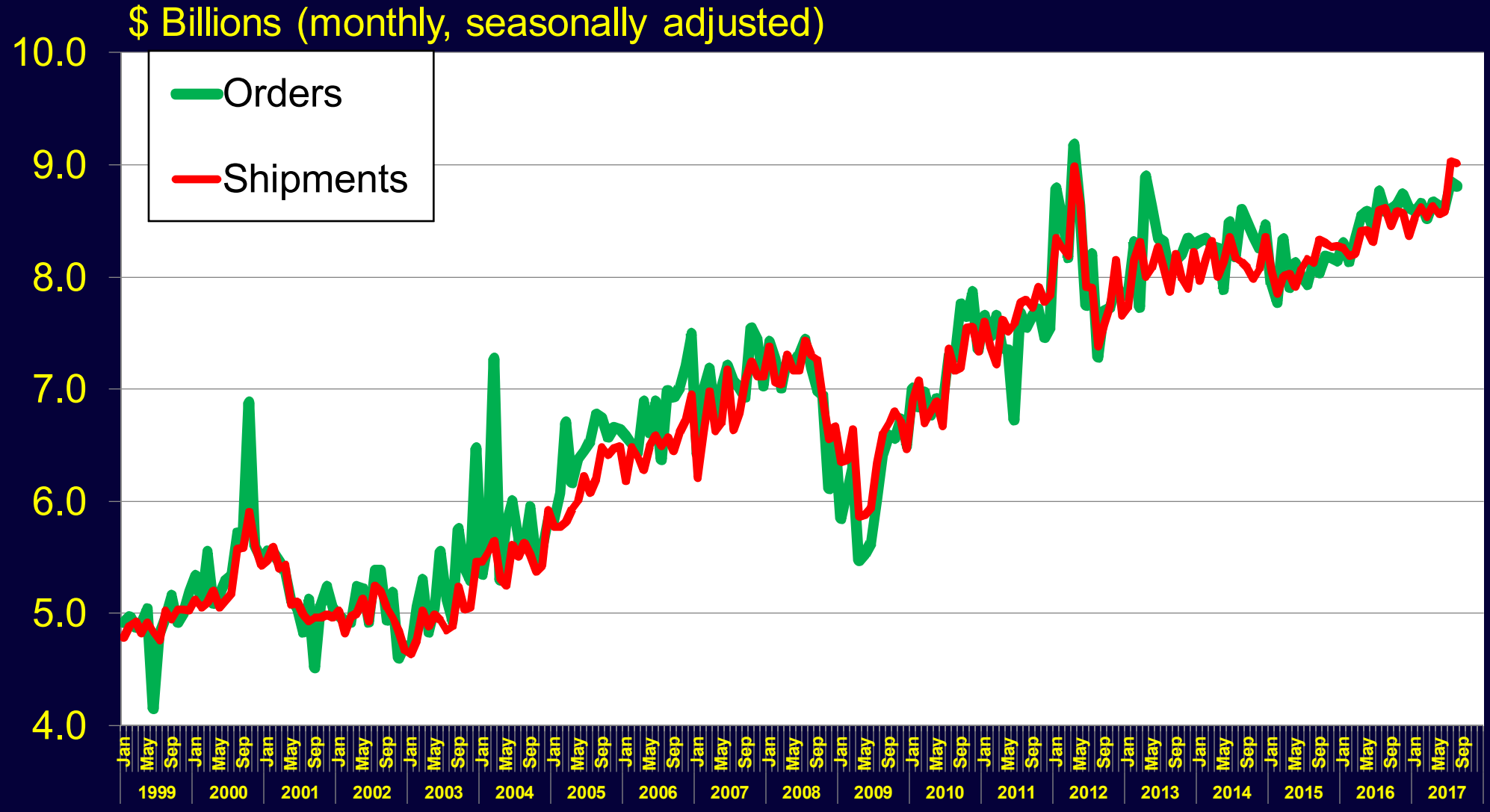
U.S. Military Electronics Orders & Shipments
Defense Communication & Search & Navigation Equipment



www.census.gov/indicator/www/m3/

Chart 26

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

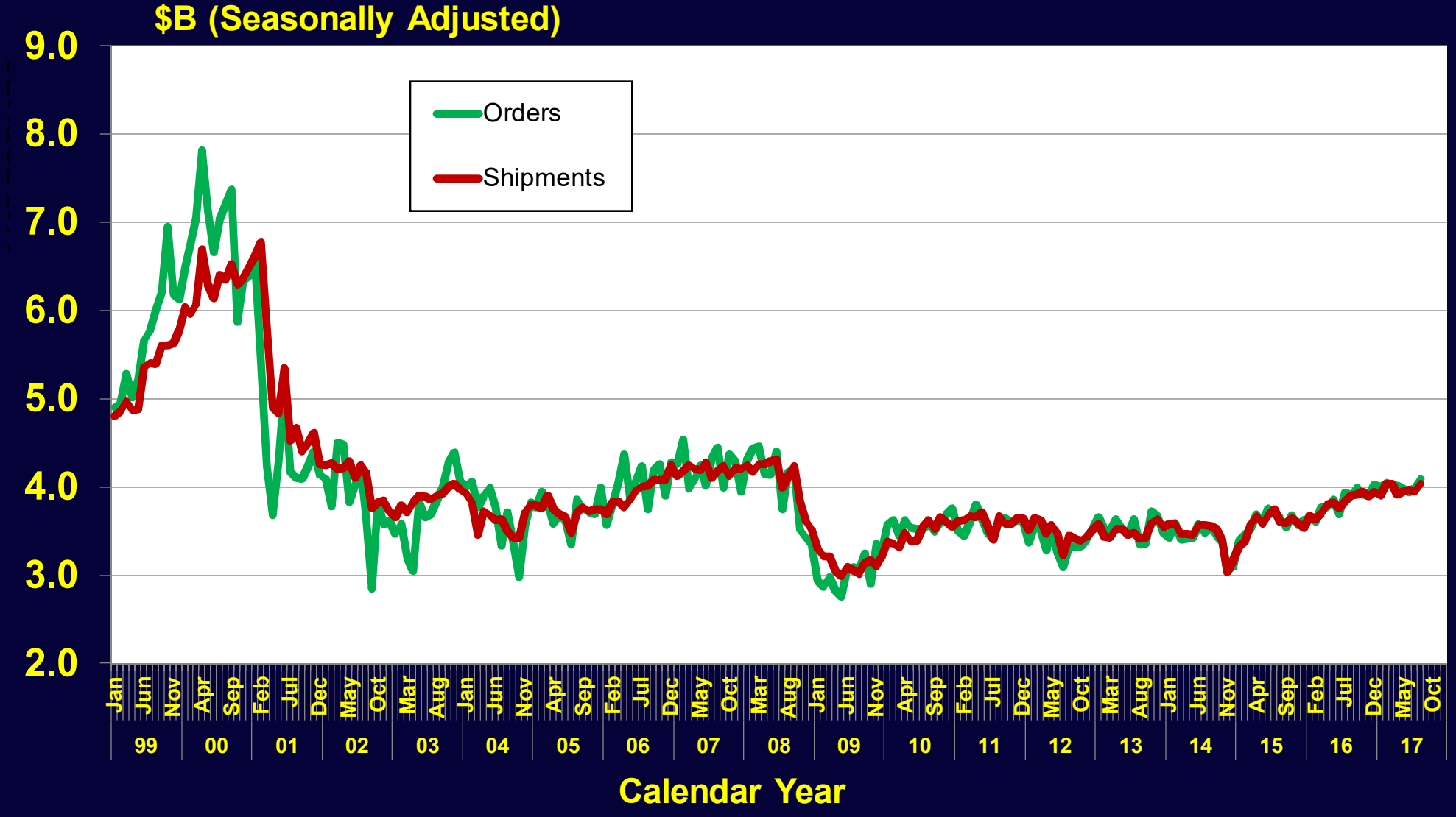


www.census.gov/indicator/www/m3/

Chart 27

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

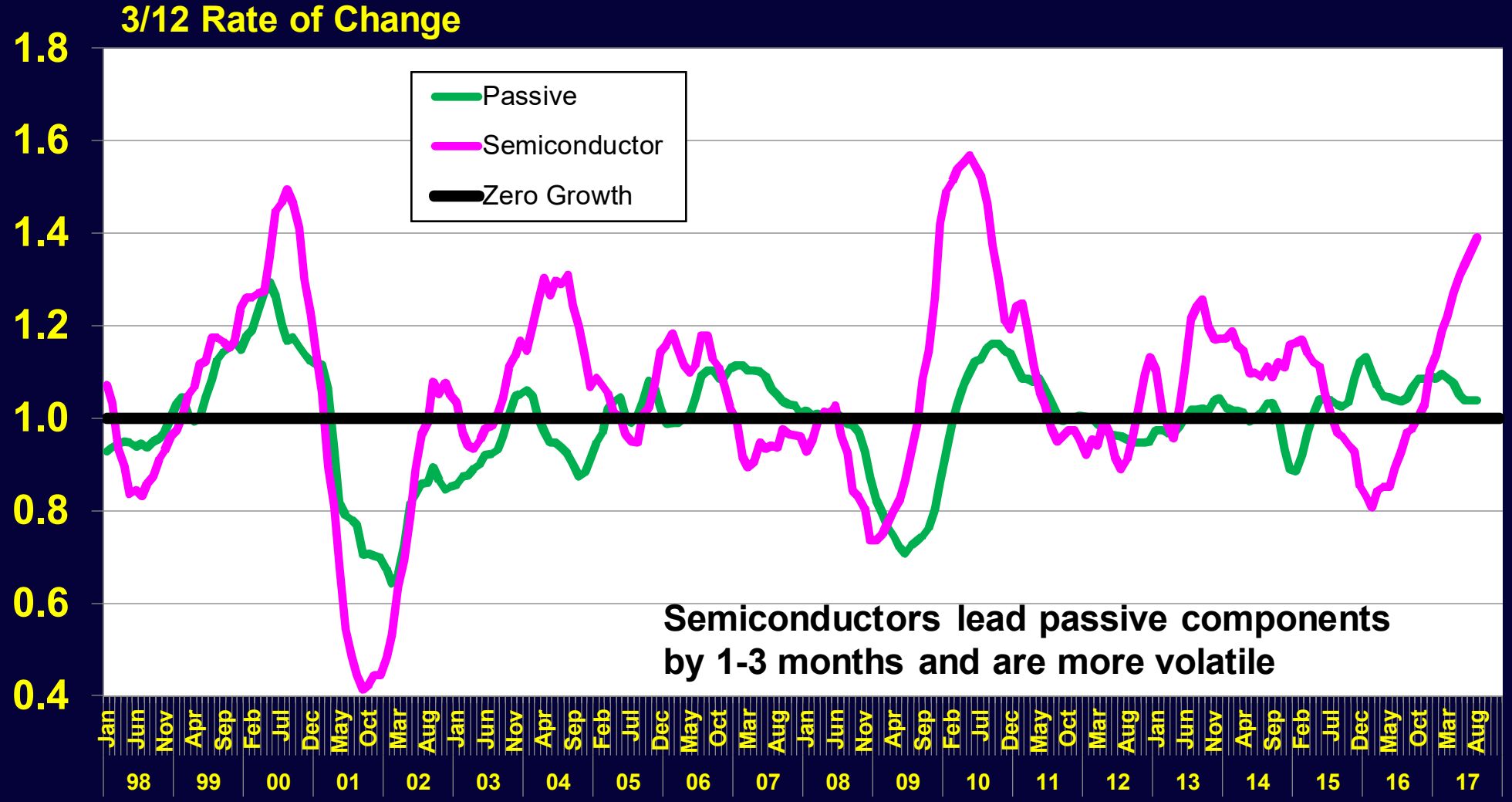
Orders & Shipments



http://www.census.gov/indicator/www/m3/

Chart 28

U.S. Passive Components Shipments vs. Semiconductor Shipments to N America



U.S. Dept of Commerce
SIA

Chart 29

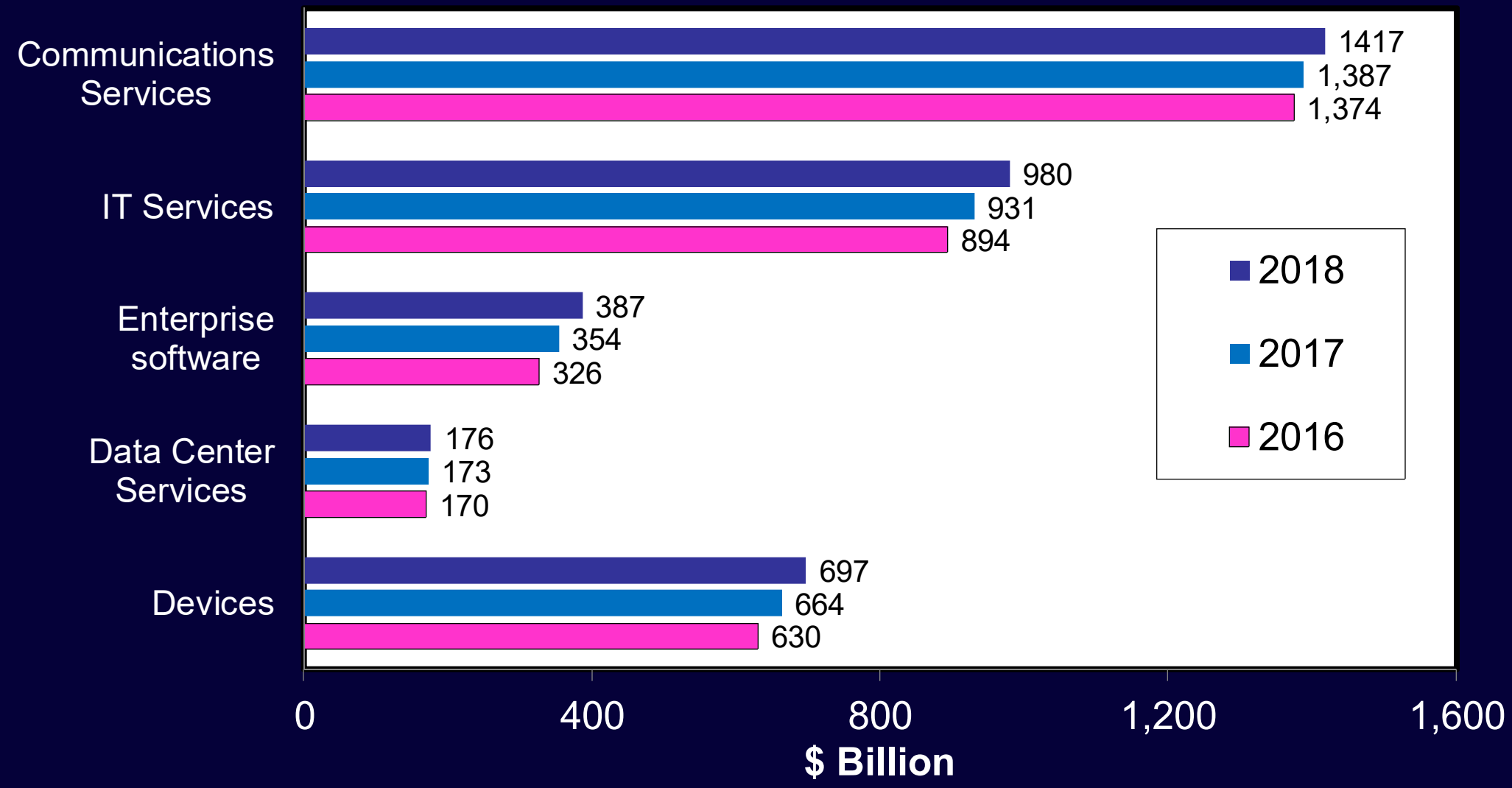
Present Growth Rates (%)
U.S. Economy & Electronics Industry

	Latest Month	Annualized Growth Rate	3-Month Growth Rate
Electronic Component $			
Rigid & Flex PCB Orders (N Amer)	8/17	2.4	14.8
Rigid & Flex PCB Shipments (N Amer)	8/17	-2.7	-3.5
Electronic Component Orders	8/17	7.4	4.1
Electronic Component Shipments	8/17	6.7	3.9
Semiconductor Shipments to N America	8/17	22.3	39.0
U.S. Electronic Equipment Orders $			
Computer & Related	8/17	-3.2	0.8
Communication	8/17	6.3	-2.0
Medical, Measurement & Control	8/17	3.7	1.9
Search & Navigation	8/17	-0.2	5.3
Defense Capital Goods	8/17	16.4	36.3
Military Electronics	8/17	-3.1	2.1
Total Electronic Equipment	8/17	2.3	1.8
U.S. Industrial Production	8/17	0.9	2.0

NOTE: 3 month growth rates compare most recent 3 months to same 3 months one year earlier. Also called 3/12 growth

Chart 30

IT Spending, World



Gartner 10/2017 & prior

Chart 31

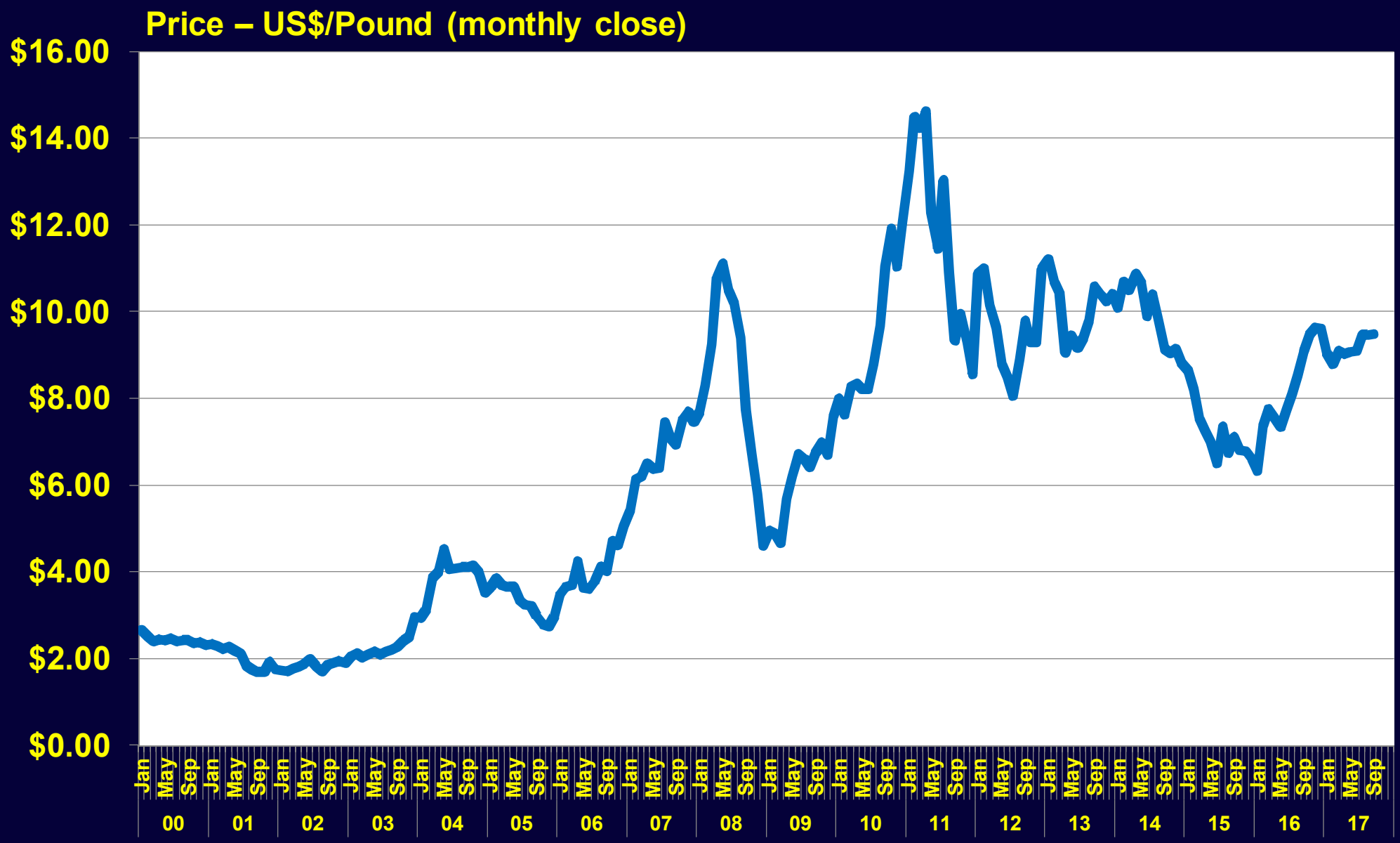
Copper, High Grade (HG, Comex)



http://futures.tradingcharts.com/chart/CP/B9

Chart 32

Tin



http://www.infomine.com/investment/metal-prices/tin/

Chart 33

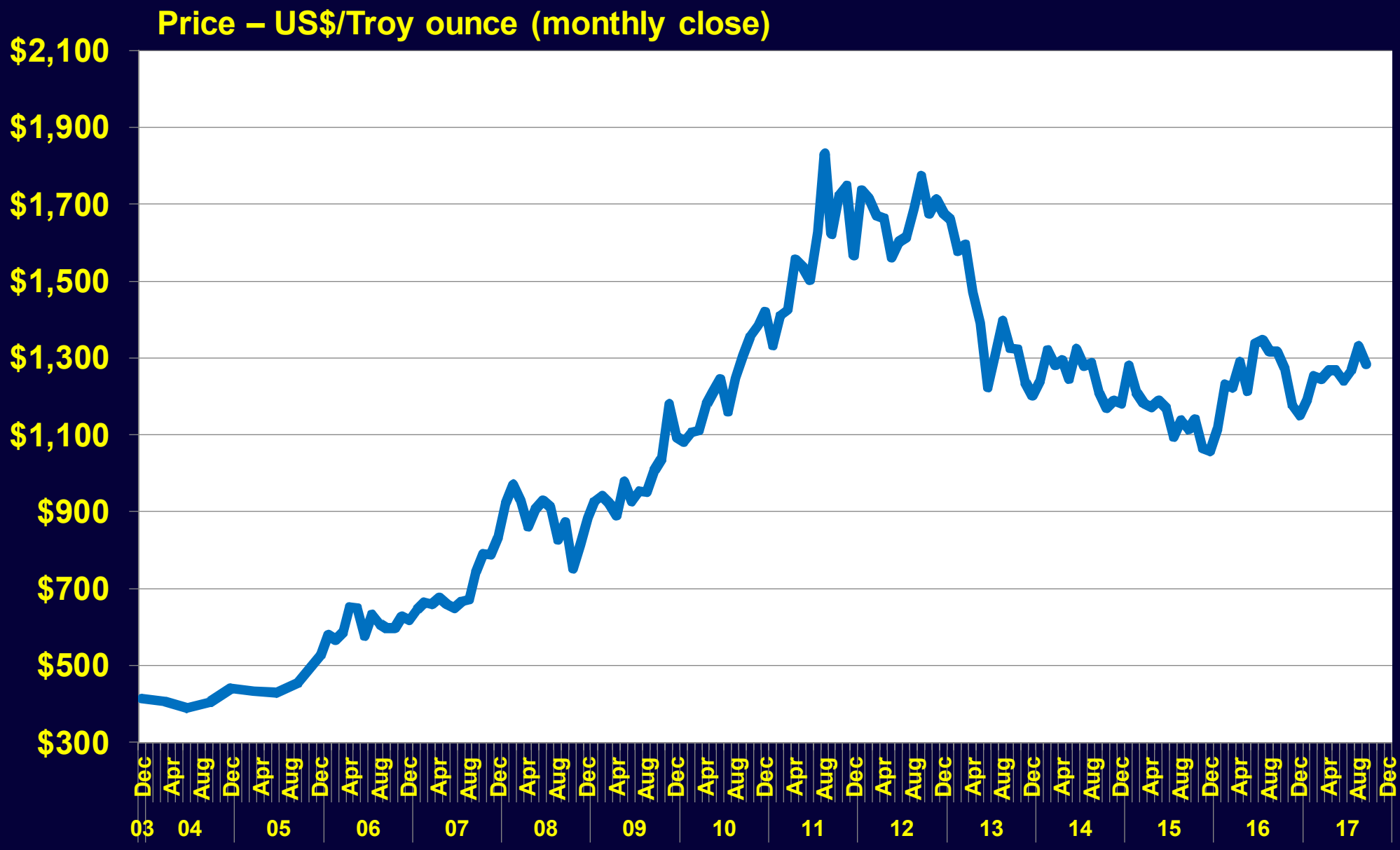
Silver, 5000 oz (Si, Comex)



http://futures.tradingcharts.com/chart/SV/39

Chart 34

Gold, 100 oz (GC, Comex)



http://futures.tradingcharts.com/chart/GD/49